

DEPARTMENT OF AGRICULTURE AND TECHNICAL  
INSTRUCTION FOR IRELAND.

REPORT  
ON THE  
SEA AND INLAND FISHERIES  
OF IRELAND.  
FOR  
1919.

*Presented to Parliament by Command of His Majesty.*

AGRICULTURE AND TECHNICAL INSTRUCTION  
(IRELAND) ACT, 1899.  
(62 AND 63 VIC., CAP. 50.)



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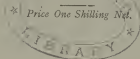
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37 PETER STREET, MANCHESTER ; 1, ST. ANDREW'S CRESCENT, CARDIFF,

. 23, FORTH ST., EDINBURGH

[Cmd. 1146].

*Price One Shilling Net.*

To

His Excellency, JOHN DENTON PINKSTONE, VISCOUNT FRENCH OF YPRES,  
Field Marshal, K.P., G.C.B., O.M., G.C.V.O.

K.C.M.G.

Lord Lieutenant-General and General Governor of Ireland.

MAY IT PLEASE YOUR EXCELLENCY,

I am desired by the Vice-President to submit to Your Excellency  
the Report on the Sea and Inland Fisheries of Ireland for the year 1919.

I have the honour to remain,

Your Excellency's faithful Servant,

T. P. GILL,

*Secretary.*

DEPARTMENT OF AGRICULTURE

AND TECHNICAL INSTRUCTION FOR IRELAND,

UPPER MERRION STREET,

DUBLIN, 17th December 1920.

DUBLIN CASTLE,

*3rd January, 1921.*

SIR,

I have to acknowledge the receipt of your letter of the 17th Ultimo (G6300-20) forwarding for submission to his Excellency the Lord Lieutenant the Report on the Sea and Inland Fisheries of Ireland for the year 1919.

I am,

Sir,

Your obedient Servant,

A. W. COPE.

THE SECRETARY,

Department of Agriculture and Technical Instruction,  
Upper Merrion Street,  
Dublin.

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SEA AND INLAND FISHERIES OF IRELAND, 1919.

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REPORT

TO THE

SECRETARY OF THE DEPARTMENT OF AGRICULTURE  
AND TECHNICAL INSTRUCTION FOR IRELAND.

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SIR,

We have the honour to submit the Report for the year ended 31st December, 1919, on the Sea and Inland Fisheries of Ireland.

GENERAL OBSERVATIONS.

The principal factors affecting the industry in 1919 were the progressive decline in the prices paid to fishermen for their catches and the increase in the cost of all the materials required for the pursuit of their calling. The former, no doubt, resulted from frequent difficulties in marketing the fish landed, the greatly enhanced cost of curing and the closure of the Baltic markets to cured herring.

During the year under review the Government gave to Scottish herring curers a guarantee that they would take over, under certain conditions a proportion of the summer cure intended for the Baltic markets in the event of curers being unable to dispose of it in the existing conditions of trade. The guarantee was subsequently extended to cover the English (autumn) fishing from Yarmouth to Lowestoft. As soon as the Department became cognisant of this arrangement, they applied to the Government to have the guarantee applied to the Irish summer herring fishing, which is carried on under similar conditions and produces a similar article for the same markets. The Department took all possible action to press the Irish case, and regret that their efforts did not meet with success.

Arrangements were made by the Government, through the agency of the Military Service (Civil Liabilities) Department for making grants to demobilised men, whose pre-war occupation was fishing, for the purpose of replacing boats, nets and gear lost or destroyed while they were on active service. The Department of Agriculture and Technical Instruction undertook to assist the Military Service Department by inquiring into claims and furnishing information. They also made representations as to the inadvisability of paying grants in cash, without control of its expenditure, and at a later stage an arrangement was made whereby the grants were administered by them under a procedure similar to that adopted in fishery loans. A large number of applications have been dealt with, and many grants for resettlement have been awarded.

Several cases of complaint as to delays, principally over English Railway systems, in the transit of fish or of the unsuitability of certain of the regulations of the carrying companies to fish traffic in general, were received during the year, and the Department gave all possible assistance towards the removal of such causes of complaint.

## SEA FISHERIES.

### VESSELS AND CREWS.

There were 4,648 Irish boats with crews numbering 16,957 persons engaged in fishing in the year 1919. The figures for the previous year were 4,717 and 17,502 respectively. The 4,648 vessels included 353 first class, 2,065 second class, 469 third class, and 1,763 small open boats. Details of the numbers of fishing craft, men and boys employed will be found in Appendix No. 2, page 5.

Irish owned steam vessels which fished from Irish ports during the year 1919 were as follow :—

Under 100 tons, gross tonnage.	Over 100 tons and not exceeding 200 tons gross tonnage.	Over 200 tons gross tonnage.
8	4	7

The growth in numbers of Irish owned motor boats employed in the fisheries is shown by the following figures for 1919 and certain previous years.

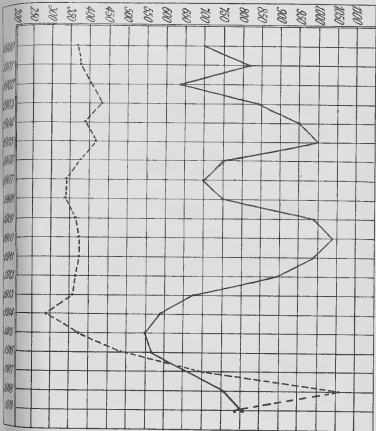
Tonnage.	1910.	1913.	1918.	1919.
Over 25 tons .. .. .	8	33	70	82
Over 10 and not exceeding 25 tons .. .. .	5	46	134	144
Over 5 and not exceeding 10 tons .. .. .	13	30	147	158
Not exceeding 5 tons .. .. .	10	38	135	132
	36	147	486	516

Trawling was pursued by 9 steam, 154 motor, and 188 sailing vessels worked by 1,277 fishermen.



Quantity of Fish (excluding shell fish) landed: in thousands of cwts. \_\_\_\_\_

Value of Fish (including shell fish) landed: in thousands of £ \_\_\_\_\_





"Ring netting," with the Danish seine or "snurrevaad," was a part or whole-time occupation of fishermen from certain East Coast ports. Complaint was made by certain local amateur and professional fishermen of damage done to the industry in general by this method of fishing in Dublin Bay. The Department held inquiries into the matter at Kingstown, Ringsend and Balbriggan, the last-named being one of the principal home ports of ring-net fishermen. Much of the evidence given at these inquiries was based on supposition; but the Department have submitted to His Excellency the Lord Lieutenant in Council certain by-laws which they believe will afford reasonable protection to the stock of young fish.

### LOANS.

During the year ended 31st March, 1920, 56 applications were received from 80 persons for loans amounting to £19,366 19s. 9d. Of these 41 loans were granted to 61 persons to the amount of £14,989 17s. 0d. The sum actually issued during the period was £11,106 5s. 2d. About nine-tenths of this sum was for the provision of motor boats.

The promissory notes signed to secure principal and interest, inclusive of £8,176 19s. 11d. of unrepaid notes taken over by the Department at the commencement of their administration of fishery loans in non-congested districts, amount to £135,876 12s. 10d. The amount repaid is £109,113 6s. 2d., while securities on hand, which have not yet matured for payment, represent £23,299 2s. 6d.

The total arrears of repayment of instalments stood at £799 6s. 4d. at the end of the financial year, and the aggregate amount written off as irrecoverable is £1,703 2s. 2d.

In connection especially with the larger loans issued in recent years for the purchase of motor fishing-boats, certain cases have arisen which have led the Department to insert the following paragraph in a circular issued to applicants for loans:—"When a boat or motor engine or gear is worn out, if the owner has not put by enough to replace it, but has to apply for another loan, it shows that he is no better off than before, and that giving him the first loan has been a failure."

Further particulars in connection with these loan transactions will be found in Appendix No. 11, pages 26 to 29.

### REVIEW OF STATISTICS OF FISH (EXCLUDING SALMON) LANDED.

According to the returns received, the total quantity of sea fish (other than shell-fish) landed in 1919 was 806,737 cwts., valued at £718,706. The corresponding figures for 1918 were 760,986 cwts., and £993,421. The returns, therefore, show an increase of 45,751 cwts. and a decrease of £274,715.

Including shell-fish, but excluding salmon, the total value for 1919 was £787,570. In 1918 this value was £1,058,236.

Table 1 (a) page 4, gives particulars of the average prices of the various kinds of sea-fish during the past six years.

## DUBLIN MARKET RETURNS.

The amount of sea fish captured by trawl and hook which passed through the Dublin Market during the year was 3,064 tons, being 540 tons more than that of the previous year.

The fish received from steam trawlers included :—

	Boxes.		Boxes.
Black Soles .. ..	164	Whiting .. ..	7,083
Turbot .. ..	70	Hake .. ..	4,669
Brill .. ..	70	Gurnard .. ..	1,079
Plaice .. ..	1,685	Coalfish .. ..	2,751
Megrim .. ..	738	Ray .. ..	1,528
Dabs .. ..	1,368	Conger .. ..	1,298
Cod .. ..	10,346		

The supplies of trawl and hook fish from other Irish sources were :—

	Tons.	
Dublin Bay Boats (not Steamers) .. ..	162	Principally Plaice and Ray.
Howth .. ..	252	Principally Cod.
Balbriggan .. ..	273	Principally Plaice, Dabs and Ray.
Galway .. ..	113	Principally Plaice, Ray and Whiting.
Dingle .. ..	110	Principally Plaice, Black Soles, Dabs and Ray
Other Localities .. ..	383	Principally Cod, Plaice, Ray and Haddock.

About 2 tons of imported fresh fish consisting chiefly of haddock were sold in the market.

Besides the foregoing there passed through the Dublin Market during the year 2,802 barrels, and 23,549 boxes of Irish fresh herrings. The mackerel amounted to 11,155 boxes of Irish caught fish.

The quantities of salmon, trout and shell-fish passing through the market are not recorded in a form capable of being reduced to a statistical statement.

## SPRING MACKEREL FISHERY.

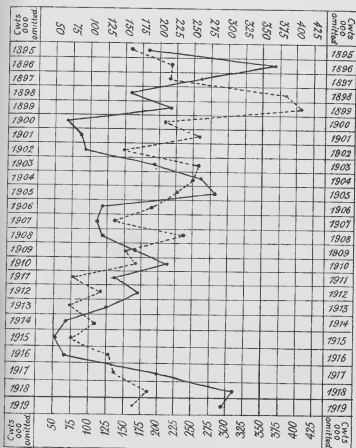
The Spring mackerel fishery, although not so productive as that of the previous year was, nevertheless, a considerably more profitable fishery than that of many preceding seasons. A comparison of the results of the fishery in each of the years subsequent to 1895 will be facilitated by reference to the diagram between pages viii. and ix.

The total catch amounted to some 166,000 cwts. valued at over £133,000. Nearly 3,000 barrels were cured for exportation.

A striking feature of the fishery was the very heavy landings at Baltimore which amounted to practically half the total. At Valentia the fishery resulted in the taking of over 39,000 cwts.

Details of the results of the fishery at the more important stations will be found in Appendix No. 3, page 10.

Diagram illustrating the fluctuations in the Irish Mackerel Fisheries during the years 1895-1919.



Spring Mackerel -----  
Autumn Mackerel —————



## AUTUMN MACKEREL FISHERY.

It is most satisfactory to record that during the year under review the Autumn Mackerel Fishery showed little diminution compared with the exceptionally productive fishery of the previous season. The total landings amounted to 298,000 cwts. in 1919, and 309,000 cwts. in 1918, but the value, in conformity with the generally falling prices for fish, fell from £286,500 in 1918, to £175,770 in 1919.

A very noticeable increase occurred in the number of barrels cured for exportation, 75,821 barrels being shipped. 49,131 barrels were shipped in the preceding year.

The fishing was again centred chiefly at the ports at the entrance to Kenmare Bay, Valentia Harbour, the ports on the Dingle Peninsula and at Baltimore. At the last-named port almost 42,000 cwts. were taken and gave a gross return to the boats engaged of practically £21,500.

Details of the landings at the principal stations are given in Appendix No. 5, page 12.

## SUMMER HERRING FISHERY.

The quantity of fish landed in the summer herring fishery, which has experienced a continuous decline in recent years, showed in the season under review some slight improvement. The total landings amounted to some 155,000 cwts., valued at £108,879. 141,000 cwts, valued at £188,000 were landed in the year 1918.

At the ports of Ardglass, Kilkeel and Howth, where the fishery is chiefly centred, the season appears to have been of an average character, but fishermen at certain of the secondary stations were more fortunate.

At Galway 7,500 cwts. were landed. 1,300 cwts. were landed in the previous year; at Kinsale, where 5,400 cwts. were landed there was an increase of 4,000 cwts.; at Kincasslagh and Killybegs the total capture amounted to 11,000 cwts. compared with 3,000 cwts. in the year 1918.

Appendix No. 4, page 11, gives details of the fishery at the principal stations and the diagram between pages x. and xi. illustrates the variations in the herring fisheries during the years 1895-1919.

## WINTER HERRING FISHERY.

The winter Herring Fishery, which has shown an almost uninterrupted decline since the extraordinarily successful season of 1910 resulted in the capture during the year 1919 of 116,600 cwts., being an increase of approximately 100 per cent. on the figure for the previous year. It is hoped that this very successful winter season may prove to be the starting point of a steady recovery in the records of this formerly highly important fishery.

At Buncrana the total landings amounted to over 33,000 cwts., and at Dunmore East to nearly 19,000 cwts., so that, at these ports alone, the capture almost equalled the complete product of the 1918 fishery.

The aggregate value of the landings was over £79,000 which, notwithstanding the fall of fish prices recorded in Appendix No. 1 (a), page 4, exceeded the value in the previous year by about £12,000.

#### PIERS AND HARBOURS.

*Arklow*.—Dredging by the Department's suction dredger "Fag-an-bealach" took place on 130 days, and by removing 82,885 cubic yards of sand or an average of 637 cubic yards per day worked, maintained the depth in the harbour approaches.

*Helvick*.—Work at the new harbour was much advanced during 1919, and the undertaking generally is nearing completion.

*Kilkeel*.—The harbour extension, work on which was concluded in the year under review, has been of great service to the local fishing community.

*Annagassan*.—The "Fag-an-bealach" cleared the harbour basin, removing some 480 cubic yards of sand.

*Annalong*.—The approach channel was widened and cleared of rock to the level, approximately, of low water of ordinary spring tides. The outer harbour was considerably widened to enable incoming seas to spend themselves up-river, and thus mitigate the "run" at the entrance to the dock.

*Balbriggan*.—Both the outer and inner sections of the harbour were cleared of silt down to the original bed; and a dangerous rock in the fairway was removed.

*Portandhu*.—Work of general improvement at the harbour was commenced towards the close of 1919 and is still in progress.

In the three last-mentioned cases the funds were provided by the Irish Inter-departmental Committee for the Employment of Demobilised Men. From the same source moneys were furnished for work, carried out under the County Surveyors and with the advice of the Department's Engineers in the clearing and general improvement of Rush, Loughshinney and Courtown harbours.

#### SHELL FISHERIES.

Officers appointed by the Department exercised supervision over the public oyster fisheries at Kinsale and Waterford Harbours, at Clarenbridge (Co. Galway) and at Inishlyre (Co. Mayo); over the mussel fisheries of Castlemaine Harbour, and the scallop fisheries in Connemara.

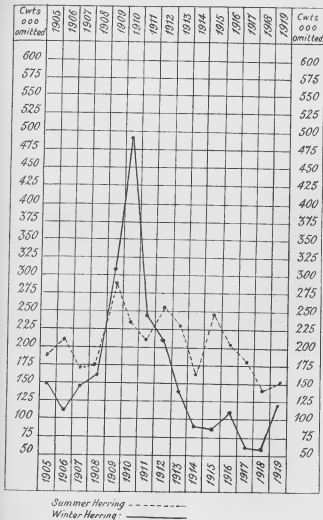
#### TECHNICAL INSTRUCTION.

The class in net mending, which has been carried on in previous years at Kinsale, was continued during the winter. The average attendance of pupils, all of whom came from the fishing population, was about 19.

Five pupils were nominated to the class of instruction in the care and management of marine motor engines at the Pembroke Technical School, Ringsend.



Diagram illustrating the fluctuations in the Irish Herring Fisheries during the years 1905-6 to 1919-20.



NOTE.—Herrings landed from May to October, inclusive, are included under "Summer Herring." Herrings landed from November to the following April are included under "Winter Herring."

Statistical information prior to the Winter Season of 1911-1912, published in the Annual Reports, dealt with Seasons of different extent, and, consequently, the figures given in those Reports do not amount to the same totals as shown in above diagram.



## KELP.

According to information received some 3,286 tons of kelp were exported during the year 1919, as follows :—

						Tons.
County	Clare	..	..	..	..	1,051
"	Galway	..	..	..	..	560
"	Mayo	..	..	..	..	461
"	Sligo	..	..	..	..	300
"	Donegal	..	..	..	..	886
"	Antrim	..	..	..	..	28

The value of the kelp exported was approximately £20,500.

In addition to the kelp exported it is estimated that about 50 per cent. of the product was manufactured in Ireland into potash for agricultural use in the country.

## BY-LAWS.

Since the date of our last Report By-Laws came into operation fixing the Close Time for Salmon and Trout in portions of the Waterville and Limerick Districts; prohibiting the use of long Lines, Night Lines or Spillers in the fresh waters of the Killarney and Waterville Districts; and prohibiting the capture of fish in the River Feale in the neighbourhood of the mill dam at Listowel, in the Limerick District.

The above By-Laws will be found in Appendix No. 18, page 80.

## INLAND FISHERIES.

## SALMON FISHERIES.

From the returns received from the Irish Railway Companies of the quantities of Salmon and trout carried it would appear that during the year 1919 the total capture was about 20 per cent. greater than in the previous year.

The figures given in the last Report showing the annual capture by drift nets off the coast between Roundstone (Co. Galway) and Portrush (Co. Antrim) since 1905 are continued :—

Year.	No. of fish landed.	Weight in cwts.
1905,	38,122	2,160
1906,	57,589	3,313
1907,	41,354	2,367
1908,	33,953	2,031
1909,	84,668	4,937
1910,	66,274	3,844
1911,	85,614	4,909
1912,	68,220	3,944
1913,	63,772	3,822
1914,	53,824	3,274
1915,	31,725	1,783
1916,	20,141	1,103
1917,	26,657	1,520
1918,	30,256	1,580
1919,	38,207	2,142

The number of boxes of Irish salmon sold at Billingsgate was 4,778 out of a total of 10,438. In the year 1918 the figures were respectively, 4,261 and 10,940.

A summary of the detailed reports received from the different Fishery Districts relative to the salmon fisheries of the country will be found in Appendix No. 16, page 54.

From these reports it would appear that the salmon fisheries considered as a whole have shown a distinct improvement during the year under review, such improvement being most marked in the southern districts.

The net fisheries were favoured by suitable weather and were in consequence more than usually productive, but angling, though good in the early months of the season, was injured greatly by the exceptionally dry summer which ensued.

Practically all rivers continued free from disease, but, as in previous seasons, many cases of minor pollution and consequent destruction of fish and fry are recorded.

The quantity of breeding fish observed during the winter seems to have shown some increase on that noticed in previous seasons, and the waters were generally favourable to spawning and to the protection of spawning and spent fish and fry.

The estimated output of salmon fry from hatcheries in the season of 1919-20 was 4,920,915. About 1,976,000 salmon fry were turned out from the Mallow and Banteer Hatcheries.

The amount of Licence Duty received by the Boards of Conservators during the year 1919 was £9,837 5s. 0d. This sum, with £957 19s. 0d. received by way of 10 per cent. rate, making a total of £10,795 4s. 0d. constitutes the only statutory provision for the protection of the inland fisheries. It fluctuates, naturally, from year to year, according to the number of licences taken out, but for many years has been insufficient for its purpose and has required to be supplemented by private subscriptions and grants from the Department. Present conditions, too familiar to everyone, have not only limited the amount derived from rod licences but have curtailed materially the possibility of private subscription, while the limit of the Department's power of contribution has been reached long since. Bailiffs naturally look to participate in the great recent increase of wages, and in some districts, indeed, have good reason to demand preferential treatment on account of the hazardous nature of their calling. These circumstances clearly demand a most substantial increase in licence duties, and the Department desire to secure the introduction of a Bill embodying such provision as soon as an opportunity occurs.

Particulars of the captures during the year at certain of the more important Salmon Fisheries are as follow :—

#### WATERFORD DISTRICT.

At Cahirpark Rod Fishery on the River Suir 75 fish, weighing altogether 618½ lbs., were taken.

At Neddin's Water 48 fish weighing altogether 417 lbs. were captured.

#### LISMORE DISTRICT.

At the Dromana Fishery 290 salmon and 510 peale were taken during the season.

The take of salmon and grilse at the Blackwater Fishery was 35 per cent. below the average for the 25 years ended 1899. Salmon was 48 per cent. below the average for the nine years 1891-1899, and grilse was 50 per cent. below the average for the same nine years.

#### KENMARE DISTRICT.

The capture at the Blackwater Fishery (Co. Kerry) was 23.5 per cent. below the average for the 25 years ended 1899.

#### WATERVILLE DISTRICT.

The number of fish taken at Waterville Weir during the season was 553 being 14 per cent. below the average for the twenty-four years 1875-1898

#### KILLARNEY DISTRICT.

The capture at the Laune Fishery below Killorglin Bridge was 21½ per cent. below the average for the 24 years ended 1898.

A pleasing feature was the improvement in the grilse fishing in June, the take being over 50½ per cent. better than in June, 1918, and over 100 per cent. better than in June, 1917, or June 1916.

#### LIMERICK DISTRICT.

At the Newgarden, Prospect, Doonass, Castle, Hermitage, Woodlands, World's End, and Summerhill Fisheries the total number and weight of fish taken were, respectively, 258 and 3,872 lbs.

#### BALLINA DISTRICT.

The capture of the Moy fishery was 13.1 per cent. below the average for the 25 years ended 1899.

In respect of the year ended 31st March, 1920, the Department made grants, amounting to £3,814 18s. 0d., to assist in the improvement and protection of inland fisheries. An expenditure, as specified below, of £3,351 6s. 10d. was actually made from this source.

	£	s.	d.
Dublin Conservators .. .. .	35	18	0
Wexford .. .. .	60	0	0
Waterford .. .. .	100	0	0
Cork .. .. .	258	0	0
Bandon .. .. .	90	0	0
Skibbereen .. .. .	25	0	0
Kenmare .. .. .	60	0	0
Waterville .. .. .	55	0	0
Killarney .. .. .	134	0	0
Killarney Conservators (for enforcement of inland Fishery Laws at Cromane) .. .. .	300	0	0
Limerick Conservators (including grant for upkeep of Shannon patrol boats) .. .. .	922	3	9
Limerick Conservators (Feale and Cashen Committee) .. .. .	100	0	0
Galway Conservators .. .. .	100	0	0
Galway Conservators (Loughs Mask and Carra Fishery Associations) .. .. .	200	0	0
Connemara Conservators .. .. .	30	0	0
Bangor .. .. .	40	0	0
Ballina .. .. .	200	0	0
Sligo .. .. .	100	0	0
Londonderry .. .. .	80	0	0
Coleraine .. .. .	120	0	0
Dundalk .. .. .	40	0	0
Drogheda .. .. .	40	0	0
Lough Derg Fishery Society .. .. .	40	0	0
Lough Sheelin Trout Protection Association .. .. .	20	0	0
Camcor and Little Brosna Fishery Association .. .. .	6	18	9
Derravaragh Anglers' Association .. .. .	10	0	0
Lough Corrib Fisheries' Association .. .. .	20	0	0
Miscellaneous Purposes and Hatcheries .. .. .	164	6	4
	<u>£3,351</u>	<u>6</u>	<u>10</u>

The Fishmongers' Company continued to give effective aid in the suppression of the traffic in salmon and trout illegally caught in Ireland.

We desire again to express appreciation of the invaluable services rendered by the officers and men of the Royal Irish Constabulary in the protection of the salmon fisheries in spite of exceptional difficulties.

## EEL FISHERIES.

Judging by the quantities of eels carried over the various Irish Railway systems in the year 1919, the total capture would seem to show a slight decrease.

During the year 50 coghills, 369 gaps or eyes, 1 trap and 3 long lines were licensed for the capture of eels.

Notes on the fishery in the districts where the capture of eels is of importance are appended :—

*Waterford District.*—The fishery, which is pursued by about ten persons appears to be declining.

*Lismore District.*—Fishery good and improving. About £126 worth of eels was marketed in London.

*Limerick District.*—About 180 persons took part in the fishery which, however, was not so good as in the previous year owing to the dry season and consequent lack of water in the rivers.

*Galway District.*—During the year the eel fisheries showed improvement.

*Connemara District.*—About £115 worth of eels was consigned to Billingsgate. Season was of an average character.

*Ballina District.*—Labour trouble again did injury to the fishery, although happily not to so serious an extent as in the season of 1918. About £1,000 worth was sent to Billingsgate by the eight or nine persons engaged.

*Sligo District.*—Fishery reported to be good and showing improvement.

*Coleraine District.*—About £24,000 worth of eels was consigned to English markets—about double the value of the previous year's consignment.

*Dundalk District.*—The fishery suffered from the dry season but nearly £600 worth was captured.

## POLLEN FISHERIES.

From a report received from the Clerk to the Conservators for the Coleraine Fishery District it would appear that the Pollen Fisheries of Lough Neagh during the season of 1919 showed a decided improvement. During the earlier part of the season fish were exceptionally good both in size and quality and found a ready sale in the usual English markets. Their market price was further enhanced by the absence of any transport disabilities. During the latter part of the season the fish were smaller but found a ready sale, and during the hot weather they were disposed of locally at good prices.

Eighty-three trammel and 141 draft net licences for the capture of pollen were issued during the year and the amount of licence duty so derived amounted to £204 10s. 0d., showing a trifling decrease compared with the amount for the year 1918.

Many scientific and other reports have been received during the year, and this opportunity is taken of thanking those who placed the valuable information they contained at the disposal of the Department

We have the honour to be,

Sir,

Your Obedient Servants,

E W. L. HOLT,

*Chief Inspector of Fisheries*

CHARLES GREEN,

*Inspector of Fisheries.*

R. H. LEE,

*Inspector of Fisheries.*

Department of Agriculture and Technical

Instruction for Ireland,

(Fisheries Branch),

16th December, 1920.



# APPENDIX TO THE REPORT

## ON THE

# SEA AND INLAND FISHERIES OF IRELAND

### FOR THE YEAR 1919.

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## STATEMENT of the Total Quantity and Value of the Fish returned as landed

	North Coast. (Erris Head to Torr Head.)				East Coast. (Torr Head to Carnmore Point.)			
	Quantity		Value.		Quantity.		Value.	
	1919	1918	1919	1918	1919	1918	1919	1918
	Cwts.	Cwts.	£	£	Cwts.	Cwts.	£	£
Brill .. .. .	21	11	85	89	65	49	480	394
Soles .. .. .	78	148	457	836	392	104	3,388	1,810
Turbot .. .. .	8	18	23	159	64	81	490	280
Total Prime Fish .. ..	102	177	535	1,064	521	244	4,568	2,184
Cod .. .. .	5,141	5,481	11,204	10,711	18,966	15,174	68,243	54,780
Conger Eel .. .. .	161	127	848	811	1,571	957	2,856	2,417
Haddock .. .. .	3,310	2,560	6,444	5,628	567	184	1,893	665
Hake .. .. .	—	—	—	—	4,155	1,638	13,510	7,307
Herrings .. .. .	67,942	46,402	46,760	41,206	95,336	92,092	89,007	121,367
Ling .. .. .	3	3	11	7	376	204	738	513
Mackerel .. .. .	2,431	4,102	2,242	8,138	5,410	6,042	2,061	2,327
Plaice .. .. .	1,894	2,648	4,315	7,117	10,773	6,594	30,479	18,696
Ray or Skate .. .. .	1,695	1,394	2,059	1,861	2,366	1,988	2,385	2,806
Scouts .. .. .	778	1,412	284	321	—	—	—	—
Whiting .. .. .	2,191	631	2,489	1,263	6,603	7,286	15,655	18,591
All other except Shell Fish .. ..	3,125	791	4,502	1,257	12,173	9,765	16,061	19,831
Total of all Fish save Shell Fish ..	88,863	62,908	81,855	94,817	158,867	142,105	217,278	159,389
SHELL FISH :—	No.	No.			No.	No.		
Crabs .. .. .	75,000	63,787	756	588	45,420	74,220	549	884
Lobsters .. .. .	92,406	98,501	4,378	4,871	128,904	91,730	7,607	4,181
Mussels .. .. .	Cwts. 2,182	Cwts. 1,090	153	164	Cwts. 15,020	Cwts. 12,925	3,481	3,420
Oysters .. .. .	No. 420,000	No. 119,615	2,308	500	No. 2,100,000	No. 1,988,200	8,400	6,124
Other Shell Fish .. .. .	Cwts. 2,828	Cwts. 2,810	1,002	1,102	Cwts. 5,547	Cwts. 6,574	2,634	3,075
Total of Shell Fish .. .. .	—	—	8,497	7,225	—	—	22,671	19,035
Grand Total .. .. .	—	—	89,852	104,342	—	—	240,449	178,424

No. I.

landed on the Irish Coasts during the Year 1919, as compared with that during 1918.

South Coast. (Carnsee Point to Loop Head.)				West Coast (Loop Head to Fric Head.)				TOTAL			
Quantity.		Value.		Quantity.		Value.		Quantity.		Value.	
1919	1918	1919	1918	1919	1918	1919	1918	1919	1918	1919	1918
Cwts.	Cwts.	£	£	Cwts.	Cwts.	£	£	Cwts.	Cwts.	£	£
125	101	623	438	44	43	136	189	265	204	1,464	1,075
128	816	6,049	7,199	119	129	892	1,014	1,217	1,259	10,734	10,559
113	141	621	938	74	115	453	763	254	305	1,717	2,140
978	1,068	7,293	3,568	227	237	1,391	1,946	1,816	1,763	13,915	13,774
5,898	780	11,149	1,889	800	1,103	1,470	1,576	30,805	29,740	70,109	68,948
106	1,177	180	1,541	125	323	175	397	1,763	2,594	3,060	4,776
27	4	64	10	253	245	634	618	4,187	2,993	9,041	9,921
375	103	826	847	39	23	154	102	4,649	1,784	16,290	7,756
12,855	44,353	48,540	64,142	19,796	9,387	10,606	11,382	233,769	191,404	185,923	257,847
61	230	152	505	1,134	1,534	3,943	2,491	1,864	1,971	2,929	3,516
49,308	898,168	290,310	434,367	28,057	31,231	19,136	77,258	445,658	480,993	312,780	517,277
1,743	2,547	7,459	10,290	624	574	1,861	2,158	16,154	12,343	44,814	43,235
1,295	3,227	1,600	5,492	549	1,170	813	1,823	5,906	3,284	4,859	11,598
801	182	733	74	-	-	-	-	1,424	1,394	967	426
388	484	1,078	707	217	165	439	370	10,000	8,316	17,611	20,384
1,020	3,264	5,843	5,998	2,021	2,002	5,452	5,980	23,918	16,932	33,838	31,046
55,100	465,887	278,237	534,118	56,902	99,086	44,286	106,977	804,727	763,284	718,706	993,421
No.	No.			No.	No.			No.	No.		
25,964	35,063	470	605	-	600	-	6	153,984	175,705	1,775	1,803
52,310	234,317	13,732	13,721	182,208	176,658	8,390	10,446	662,318	400,706	34,407	34,219
Cwts.	Cwts.	1,086	1,023	Cwts.	Cwts.	390	134	Cwts.	Cwts.	5,020	5,491
5,900	6,552			2,000	1,840			22,832	22,405		
No.	No.			No.	No.			No.	No.		
10,689	447,646	527	832	575,938	443,406	1,203	1,963	1,250,198	7,098,387	12,398	8,603
Cwts.	Cwts.	8,649	6,719	Cwts.	Cwts.	2,879	3,603	Cwts.	Cwts.	15,964	14,699
14,276	14,057			7,705	8,576			30,456	21,604		
-	-	24,364	33,250	-	-	13,332	15,202	-	-	48,864	61,815
-	-	399,681	567,268	-	-	57,618	121,379	-	-	787,570	1,058,226

## APPENDIX NO. I (a).

COMPARISON between the years 1914-1919 inclusive in respect to the Average Prices of the different kinds of Sea Fish landed in Ireland.

Kind of Fish.	AVERAGE PRICE PER CWT.					
	1914.	1915.	1916	1917.	1918.	1919
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Brill ...	2 8 11	2 9 11	4 2 10	3 19 11	5 5 5	5 10 6
Soles ...	4 7 0	4 16 5	5 10 11	6 8 1	8 7 9	8 3 0
Turbot ...	4 10 5	4 13 11	5 6 3	5 15 2	7 0 4	6 15 2
Cod ...	0 17 7	1 3 6	1 11 9	2 4 8	3 6 6	2 5 6
Conger Eel	0 13 4	0 16 1	1 2 3	1 9 9	1 16 10	1 14 9
Haddock ...	0 17 10	1 5 6	1 5 1	2 0 1	3 6 4	2 3 6
Hake ...	1 6 1	1 17 2	2 6 9	3 18 2	4 6 11	3 11 4
Herrings ...	0 6 9	0 11 0	0 15 5	0 17 8	1 6 11	0 15 7
Ling ...	0 14 6	0 15 9	1 1 4	1 8 2	1 15 8	1 17 7
Mackerel ...	0 6 2	0 9 11	0 11 3	0 16 6	1 1 1	0 13 6
Plaice ...	1 3 8	1 10 1	1 11 11	2 11 2	3 9 11	2 14 10
Ray or Skate	0 9 0	0 9 7	0 12 7	0 18 9	1 9 0	1 3 3
Sprats ...	0 4 7	0 6 8	0 5 7	0 12 3	0 5 4	0 11 10
Whiting ...	0 16 0	1 3 8	1 5 10	1 14 4	2 9 1	1 15 2
Other kinds (not including Shell Fish).	0 10 10	0 14 11	0 19 7	1 7 7	1 18 11	1 8 5
All, except Shell Fish	0 8 1	0 12 1	0 15 9	0 19 4	1 6 1	0 17 10

## APPENDIX NO. 2.

ABSTRACT OF RETURNS of the Numbers of Vessels, Boats, and Crews engaged in the Sea Fisheries in 1919.

## RETURN OF MOTOR FISHING BOATS FOR THE YEAR 1919.

No	DIVISION.	Over 25 tons.	Over 10 tons and not exceeding 25 tons	Over 5 tons and not exceeding 10 tons.	Not exceeding 5 tons
1	Kingstown ... ..	3	11	7	12
2	Wicklow ... ..	21	23	3	6
3	Wexford ... ..	—	1	6	—
4	Tramore ... ..	1	4	2	10
5	Queenstown ... ..	—	3	1	1
6	Kinsale ... ..	1	2	2	1
7	Skibbereen ... ..	27	27	6	14
8	Castletownbere ...	1	2	4	6
9	Valentia ... ..	—	3	9	5
10	Dingle ... ..	—	3	3	—
11	Kilkee ... ..	—	—	—	1
12	Galway ... ..	2	2	1	3
13	Keel ... ..	—	—	—	—
14	Belmullet ... ..	—	—	1	—
15	Sligo ... ..	—	—	—	—
16	Killybegs ... ..	3	5	1	1
17	Rathmullan ... ..	8	7	1	6
18	Moville ... ..	—	—	10	3
19	Ballycastle ... ..	—	3	18	11
20	Carrickfergus ... ..	—	—	18	9
21	Donaghadee ... ..	2	32	35	9
22	Newcastle ... ..	9	11	13	21
23	Dundalk ... ..	—	—	17	7
24	Malahide ... ..	4	5	—	1
Totals ... ..		82	144	158	132

## APPENDIX

ABSTRACT OF RETURNS of the Numbers of Vessels, Boats, and Crews  
Registered, Unregistered, and Unclassed Vessels

No.	COASTGUARD DIVISION.	SOLELY ENGAGED								
		FIRST CLASS.			SECOND CLASS.			THIRD CLASS.		
		Vessels.	Men.	Boys.	Vessels.	Men.	Boys.	Vessels.	Men.	Boys.
1	Kingsdown .. ..	23	137	13	48	180	6	7	14	-
2	Wicklow .. ..	35	243	16	53	163	9	-	-	-
3	Westford .. ..	2	8	-	25	87	-	-	-	-
4	Tramore .. ..	1	4	-	59	201	3	2	4	-
5	Queensdown .. ..	4	18	-	28	75	2	1	2	-
6	Kinsale .. ..	7	38	-	16	64	4	-	-	-
7	Skibbereen .. ..	30	199	30	16	84	13	4	12	-
8	Castletownbere .. ..	-	-	-	-	-	-	-	-	-
9	Valentia .. ..	2	8	2	12	60	-	5	19	-
10	Dingle .. ..	42	163	20	-	-	-	-	-	-
11	Kilkee .. ..	2	10	-	7	21	-	-	-	-
12	Galway .. ..	18	110	5	48	188	-	-	-	-
13	Keel .. ..	1	4	-	5	18	-	-	-	-
14	Belmullet .. ..	-	-	-	-	-	-	-	-	-
15	Sligo .. ..	4	24	-	15	36	-	2	4	-
16	Killybegs .. ..	2	14	1	19	100	-	7	24	1
17	Rathmullan .. ..	1	8	-	14	48	-	-	-	-
18	Malinbeg .. ..	-	-	-	60	240	-	-	-	-
19	Ballycastle, Antrim ..	1	4	-	41	113	1	-	-	-
20	Carrickfergus .. ..	4	43	-	18	32	3	4	6	-
21	Donaghadee .. ..	38	173	-	47	135	-	7	18	-
22	Newcastle .. ..	33	197	18	40	70	-	3	34	-
23	Dundalk .. ..	-	-	-	27	123	-	7	17	1
24	Malinbeg .. ..	7	44	-	20	74	2	7	4	-
Totals for 1919 ..		354	1,458	110	608	2,112	45	42	148	3
Totals for 1918 ..		342	1,368	101	552	1,955	49	80	147	-

No. 2.—continued.

engaged in the Sea Fisheries in 1919.  
that fished during the year 1919.

## IN FISHING.

Open row boats of 18 feet keel and upwards, and canoes of 18 feet and upwards over all.			Open row boats of less than 18 feet keel, and canoes of less than 18 feet over all.			TOTALS.			No.
Vessels.	Men.	Boys.	Vessels.	Men.	Boys.	Vessels.	Men.	Boys.	
-	-	-	-	-	-	78	331	19	1
-	-	-	-	-	-	88	398	25	2
-	-	-	9	9	-	16	69	-	3
-	-	-	3	8	-	65	219	3	4
-	-	-	-	-	-	33	93	3	5
-	-	-	-	-	-	33	102	3	6
-	-	-	-	-	-	50	295	45	7
-	-	-	-	-	-	-	-	-	8
5	25	-	-	-	-	21	112	2	9
42	125	-	-	-	-	81	288	50	10
10	27	-	-	-	-	19	58	-	11
-	-	-	-	-	-	68	298	5	12
-	-	-	-	-	-	6	19	-	13
-	-	-	-	-	-	-	-	-	14
3	18	-	-	-	-	24	82	-	15
-	-	-	-	-	-	28	188	2	16
-	-	-	-	-	-	15	61	-	17
-	-	-	-	-	-	50	249	-	18
-	-	-	1	-	-	43	117	1	19
-	-	-	1	1	-	27	94	3	20
-	-	-	2	2	-	24	320	-	21
-	-	-	1	2	-	82	298	18	22
-	-	-	-	-	-	24	160	1	23
-	-	-	-	-	-	34	124	2	24
60	195	-	17	22	-	1,008	3,930	187	
87	274	-	16	19	-	286	3,761	160	

## APPENDIX

ABSTRACT OF RETURNS of the Numbers of Vessels, Boats,  
Registered, Unregistered, and Unclassed Vessels

No	COASTGUARD DIVISION.	PARTIALLY ENGAGED								
		FIRST CLASS			SECOND CLASS			THIRD CLASS		
		Vessels	Men	Boys	Vessels	Men	Boys	Vessels	Men	Boys
1	Kinostown	-	-	-	13	48	1	1	2	-
2	Wicklow	1	-	-	26	74	-	2	7	-
3	Wexford	-	-	-	65	286	-	-	-	-
4	Trimore	-	-	-	33	96	2	12	26	-
5	Quemasson	2	8	-	13	55	6	3	9	-
6	Kinsale	-	-	-	86	243	17	8	26	3
7	Skibbereen	29	179	28	199	918	75	51	190	-
8	Castletownbere	2	11	2	188	923	32	90	398	4
9	Valentia	-	-	-	13	28	-	19	100	-
10	Dingle	-	-	-	10	30	-	1	2	-
11	Kilkee	-	-	-	2	6	-	-	-	-
12	Galway	8	36	-	144	494	3	105	273	3
13	Keel	-	-	-	-	-	-	37	77	-
14	Belmullet	6	30	-	12	40	-	18	34	-
15	Sligo	-	-	-	-	15	-	8	9	-
16	Killybegs	14	84	-	213	891	-	2	7	-
17	Rathmullan	35	224	-	150	534	-	6	11	1
18	Moyle	-	-	-	52	186	-	1	2	-
19	Ballycastle, Antrim	-	-	-	55	65	8	4	9	-
20	Carrickfergus	-	-	-	16	32	-	10	13	-
21	Downpatrick	-	-	-	12	26	-	12	16	-
22	Newcastle	-	-	-	106	211	-	25	47	1
23	Dundalk	-	-	-	49	213	-	9	19	-
24	Malahide	-	-	-	7	14	-	6	12	-
Totals for 1919		97	593	30	1,437	5,560	141	407	1,285	11
Totals for 1918		107	646	29	1,507	6,278	128	455	1,419	10



No. 2.—continued.

and Crews engaged in the Sea Fisheries in 1919.  
that fished during the year 1919.

IN FISHING.									GRAND TOTALS of all engaged in 1919				No.
Open row boats of 18 ft. keel & upwards, & canoes of 18 ft. & upwards over all.			Open row boats of less than 18 ft. keel & canoes of less than 18 ft. over all.			TOTALS.							
Vessels.	Men.	Boys.	Vessels.	Men.	Boys.	Vessels.	Men.	Boys.	Vessels.	Men.	Boys.		
12	79	—	2	3	—	28	132	1	106	462	10	1	
5	14	—	—	—	—	32	95	—	120	493	25	2	
1	1	—	3	4	—	59	241	—	98	310	—	3	
2	25	—	40	66	—	88	318	2	182	482	5	4	
5	12	—	24	28	—	47	92	6	80	185	8	5	
5	11	—	24	48	3	93	328	22	116	480	31	6	
13	82	—	20	84	—	312	1,395	100	262	1,690	145	7	
20	69	—	1	2	—	301	1,413	38	301	1,413	38	8	
261	1,749	6	42	95	—	439	1,872	4	462	2,084	8	9	
202	582	—	1	2	—	218	600	—	299	804	20	10	
40	186	—	10	21	—	72	186	—	91	251	—	11	
256	791	—	222	483	—	725	2,097	6	801	2,898	11	12	
13	48	—	8	16	—	40	141	—	46	166	—	13	
122	379	—	30	55	—	188	540	—	188	540	—	14	
37	228	—	8	11	—	53	264	—	77	346	—	15	
8	12	—	29	20	—	262	1,017	—	261	1,155	2	16	
—	—	—	22	22	—	214	791	1	229	862	1	17	
—	—	—	—	—	—	83	28	—	131	427	—	18	
—	—	—	8	12	—	49	87	8	92	294	9	19	
1	5	—	8	15	—	25	65	—	62	159	3	20	
—	—	—	—	—	—	26	26	—	118	266	—	21	
—	—	—	3	—	—	134	268	1	216	581	10	22	
—	—	—	48	45	—	126	262	—	160	425	1	23	
2	4	—	—	—	—	13	30	—	49	154	2	24	
1,130	4,228	6	354	1,013	3	2,645	12,679	191	4,648	16,609	348		
1,105	4,122	7	327	904	4	2,761	13,418	172	4,717	17,179	323		

## APPENDIX No. 3.

## SPRING MACKEREL FISHERY 1919.

No.	Stations.	Date when Fishing may be said to have commenced.	Date when Fishing may be said to have ended.	Quantity captured in cwts.	Total Approximate Value.	Number of Barrels cured for Exportation.
					£ s. d.	
1	Portavogie ..	No regular fishing; catch landed in herring nets.	31st July ..	332	40 1 4	—
2	Kilkeel ..	1st July ..	31st July ..	576	171 14 9	—
3	Howth ..	1st July ..	31st July ..	1,500	427 0 0	—
4	Dunmore East ..	No regular fishing; catch landed in herring nets.	31st July ..	4,200	1,914 10 0	—
5	Tramore ..	June ..	July ..	560	700 0 0	—
6	Kilnade ..	1st March ..	31st July ..	9,168½	10,134 8 6	12
7	Union Hall ..	1st March ..	26th June ..	1,113	504 16 6	158
8	Baltimore ..	1st March ..	31st July ..	75,966	69,824 8 0	90
9	Schull ..	1st March ..	31st May ..	321	97 10 0	20
10	Cape Clear ..	1st April ..	31st July ..	1,250	280 0 0	232
11	Castletownbere	1st July ..	31st July ..	462	201 10 0	53
12	Ballydonegan ..	1st March ..	30th April ..	284	222 0 0	—
13	Waterville ..	10th March ..	31st May ..	1,200	900 0 0	—
14	Knightstown ..	1st April ..	31st July ..	19,437	29,719 12 4	—
15	Cahirciveen ..	9th April ..	31st July ..	1,215	1,321 18 6	—
16	Dingle ..	1st April ..	31st July ..	3,076	1,454 1 0	442
17	Dunquin ..	22nd March ..	22nd July ..	1,117	820 2 0	182
18	Bedhawn ..	March ..	June ..	825	884 15 0	—
19	Ballinacraig ..	1st April ..	31st May ..	295	326 17 0	—
20	Ballinagall ..	1st April ..	31st July ..	2,536	2,072 10 0	—
21	Brandon Creek ..	22nd March ..	26th June ..	1,089	857 8 0	60
22	Brandon Bay ..	16th March ..	26th July ..	744	581 12 0	129
23	North Aran ..	3rd April ..	30th July ..	1,987	1,845 14 9	—
24	Galway ..	3rd April ..	31st July ..	463	302 5 0	—
25	Roundstone ..	23rd April ..	18th July ..	4,738½	2,037 2 8	434
26	Clifden ..	8th May ..	20th July ..	2,523	819 5 0	430
27	Cleggan ..	1st April ..	31st July ..	3,498	2,285 11 6	470

## APPENDIX No. 4.

## SUMMER HERRING FISHERY, 1919.

No.	Stations.	Date on which Fishing may be said to have commenced.	Date on which Fishing may be said to have ended.	Quantity captured in cwts.	Value.	Quantity - cured for Exportation
					£ s. d.	
1	Killybegs ..	3rd May	31st October	4,911½	4,394 16 6	159
2	Bartonport ..	14th May	29th September	3,782	1,852 0 0	1,824
3	Kincasslagh ..	14th May	29th September	6,684½	2,147 4 0	
4	Banbeg ..	May	May	290	74 0 0	—
5	Inishbofin ..	1st May	6th October	3,361	1,086 17 4	400
6	Downings ..	8th May	30th September	17,411	6,718 4 4	3,060
7	Buncrana ..	1st May	16th June	1,580	781 10 0	—
8	Portlaoise ..	July	August	860	280 0 0	—
9	Portlaoise ..	3rd May	18th October	5,630	6,346 16 6	—
10	Portlaoise ..	16th September	16th October	290	600 0 0	—
11	Ardlough ..	6th May	31st October	17,638	17,687 11 0	—
12	Annalong ..	1st June	31st October	297½	828 2 0	—
13	Kilkeel ..	14th May	31st October	11,602½	10,887 6 0	—
14	Howth ..	1st June	16th October	59,310	26,361 11 0	—
15	Arklow ..	6th October	31st October	276	298 0 0	—
16	Carmacoe ..	16th October	31st October	386	315 0 0	—
17	Wexford ..	1st October	31st October	412	331 5 9	—
18	Dunmore East ..	1st May	29th June	5,236	6,086 12 4	—
19	Helwick Head ..	3rd May	31st October	2,454	1,668 5 0	—
20	Kilnalea ..	1st May	31st October	5,854	8,648 1 0	258
21	Union Hall ..	1st May	31st October	846	247 18 0	—
22	Baltimore ..	1st May	31st October	911	1,201 16 0	—
23	Schull ..	1st August	31st October	2,288	995 5 0	110
24	Crookhaven ..	1st August	31st October	725	192 5 0	40
25	Donny ..	1st August	31st October	3,726	2,665 3 0	260
26	Castletownbere ..	1st August	31st October	2,284	1,214 2 0	
27	Lacken Point ..	1st October	31st October	368	470 0 0	—
28	Knightsdown ..	Caught in mackerel nets	October	487	230 10 0	—
29	Dunquin ..	24th July	31st October	305	176 10 0	—
30	Seafeld ..	1st May	31st October	581	448 8 0	—
31	Galway ..	27th May	31st October	7,664½	3,687 4 8	—
32	Cleggan ..	5th July	16th July	1,582	962 18 0	—
33	Kesh ..	24th August	30th October	8,880	1,333 0 0	890

## APPENDIX

## AUTUMN MACKEREL

## PARTICULARS of the FISHING carried

STATIONS	Date when Fishing may be said to have commenced.	Date when Fishing may be said to have ended.	Quantity captured in Cwts.	Total Approximate Value.	Number of Barrels Cured for Exportation
				£ s. d.	
Mullaghmore ..	August ..	October ..	668½	319 11 0	—
Burtonport ..	January ..	February ..	608	285 18 0	—
Buncrana ..	January ..	February ..	5,187	2,591 10 0	—
Ardglass ..	No regular Mackerel Fishing; fish landed in herring nets.	—	319	26 16 6	—
Kilkeel ..	1st August ..	31st August ..	420	83 2 3	—
Bowth ..	No regular Mackerel Fishing; fish landed in herring nets.	—	1,100	258 0 0	—
Greystones ..	—	—	317	478 10 0	—
Fethard ..	1st August ..	23rd October ..	394	274 11 0	—
Passage East ..	August ..	September ..	470	198 0 0	—
Helvick Head ..	1st August ..	16th October ..	369	219 14 0	—
Kinsale ..	1st August ..	26th February ..	13,108½	8,779 11 6	215
Unken Hall ..	11th August ..	15th December ..	7,862	3,734 10 0	2,397
Castletownsend ..	1st August ..	28th February ..	1,831	1,058 4 10	543
Cape Clear ..	Fish landed in herring nets	—	1,450	750 0 0	—
Baltimore ..	August ..	February ..	41,840	21,546 10 0	1,352
Schal ..	September ..	December ..	1,348	844 19 0	225
Dunmanus ..	—	—	4,600	2,500 0 0	478
Dunkelly ..	—	—	6,948	2,455 0 0	1,637
Castletownbere ..	August ..	October ..	1,160	654 0 0	370
Garrish ..	26th August ..	7th December ..	22,482	13,263 10 0	6,886
Ballydonegan ..	September ..	December ..	22,900	16,450 0 0	10,560
Ballycrovane ..	25th August ..	10th November ..	19,090	25,000 0 0	18,000

No. 5.

## FISHERY, 1919-1920

on at the PRINCIPAL STATIONS.

STATIONS.	Date when Fishing may be said to have commenced.	Date when Fishing may be said to have ended.	Quantity captured in Cwt.	Total Approximate Value.	Number of Barrels Cured for Exportation.
				£ s. d.	
Knightstown ..	August ..	February ..	35,869	25,695 2 0	11,183
Cahirciveen ..	1st August ..	18th December ..	6,444	5,393 19 6	1,224
Dingle ..	1st September ..	31st December ..	3,191	1,243 4 0	18,950*
Dunquin ..	5th September ..	18th December ..	3,915	2,265 0 0	—
Bealbane ..	September ..	21st February ..	12,163	6,219 18 6	—
Bollanacraig ..	1st September ..	16th December ..	4,254	2,091 19 6	—
Bollanagall ..	August ..	December ..	16,173	7,876 10 0	—
Brandon Creek ..	4th September ..	24th February ..	5,319	2,466 11 0	—
Brandon Bay ..	21st August ..	24th February ..	11,258	6,536 4 0	2,412
Crosshaven ..	September ..	October ..	300	150 0 0	—
Waterville ..	August ..	October ..	2,413	2,712 0 0	300
Tramore ..	—	—	568	867 0 0	—
Galley Head ..	August ..	September ..	250	125 0 0	—
Kilkee ..	1st September ..	16th December ..	656	513 10 0	—
Farraby ..	August ..	February ..	572½	342 13 0	—
Scafield ..	1st August ..	26th February ..	1,613	1,221 3 0	503
Ballaghahne ..	—	—	469½	541 5 0	—
North Arm ..	10th September ..	11th December ..	2,552½	1,584 16 9	666
Costello Bay ..	1st September ..	30th September ..	510	269 5 0	—
Clifden ..	1st October ..	11th December ..	2,218	1,381 1 0	400
Cleggan ..	25th August ..	8th January ..	2,908	1,947 3 6	450
Tully ..	—	—	1,200	900 0 0	—

\* Part of the Fish cured at Dingle was landed at other stations.

## APPENDIX No. 6.

## WINTER HERRING FISHERY, 1919-20.

Particulars of the Fishing carried on at the Principal Stations.

No.	Stations.	Date when Fishing may be said to have commenced.	Date on which Fishing may be said to have ended.	Quantity captured in cwt.	Total Approximate Value.	Number of Barrels cured for Exportation.
					£ s. d.	
1	Inniscrone	1st November	.. December	4,090	3,045 0 0	—
2	Mullaghmore ..	November	.. April	349½	181 0 0	—
3	Killybegs ..	1st November	.. 30th April	5,106½	1,976 4 0	—
4	Burtonport ..	January	.. March	7,073	4,898 5 0	—
5	Kincaslough ..	January	.. February	982	469 18 0	179
6	Downings ..	December	.. February	3,464	1,735 12 0	360
7	Bencrana ..	December	.. March	14,029	27,761 3 0	—
8	Ballbriggan ..	7th November	.. 12nd December	2,225	1,793 8 0	—
9	Loughshinney ..	1st November	.. January	820	713 10 0	—
10	Howth ..	1st November	.. 30th December	2,902	2,045 9 0	—
11	Arklow ..	1st November	.. 31st December	3,260	2,441 8 0	—
12	Coartown ..	1st November	.. 31st December	1,723	1,594 8 0	—
13	Wexford ..	November	.. December	1,000	760 0 0	—
14	Curracloe ..	November	.. December	890	1,112 10 0	—
15	Roselare ..	November	.. December	2,600	1,320 0 0	—
16	Ballygeary ..	November	.. December	1,200	840 0 0	—
17	Wicklow ..	November	.. December	256	256 0 0	—
18	Greystones ..	November	.. December	700	786 0 0	—
19	Passage East ..	November	.. February	3,420	2,850 0 0	—
20	Dunmore East	7th November	.. 21st February	13,657	10,073 5 0	290
21	Helwick Head ..	1st November	.. 28th April	420	317 0 0	—
22	Kinsale ..	1st November	.. 30th April	4,907	2,787 2 6	143
23	Bantry ..	1st November	.. 30th April	5,882	2,919 15 0	—
24	Castletownbere	November	.. January	502	151 0 0	—
25	Leafield ..	1st November	.. 30th April	1,025	586 5 0	—
26	North Anna ..	16th November	.. 24th January	1,426½	432 12 6	—
27	Galway ..	1st November	.. 18th December	1,333½	797 18 0	—

LIST of LICENCES to Plant MUSSEL BEDS *in force* at date of this Report and substance of Reports received in respect of year to 31st December, 1919.

No. of Licence.	Date of Licence.	Persons to whom Granted.	Alleged present Owner or Lessee, or Agent.	Locality of Beds.	Area of Beds	SUBSTANCE OF REPORTS RECEIVED AS TO STATE OF BEDS.
	CO. MEATH.				A. R. P.	CO. MEATH.
2	3rd Jan., 1900 ..	John King ..	John King ..	River Nanny ..	11 2 0	Bed fairly well stocked with mussels, 2 tons of mussels laid down. 2 tons, value £8 10s. per ton, taken off and sold for consumption. A small fall of spat observed.
3	2nd August, 1907 ..	James J. King ..	James J. King ..	do. ..	4 1 30	Bed badly stocked. About 12 cwt., value 9 shillings per cwt., taken off for consumption. No fall of spat. Failure of bed due to presence of quantities of mud and absence of sufficient salt water.
4	18th Nov., 1910 ..	John King ..	John King ..	do. ..	1 1 8	Bed scantily stocked with mussels. 2½ tons, value £8 per ton, taken off and sold for consumption. 1½ tons of mussels laid down. A large fall of spat was observed.

## APPENDIX No. 8.

LIST of LICENCES to Plant PERIWINKLE BEDS *in force* at date of this Report and substance of Reports received in respect of year to 31st December, 1919

No. of Licence.	Date of Licence.	Persons to whom Granted.	Alleged present Owner or Lessee, or Agent.	Locality of Beds.	Area of Beds.	SUBSTANCE OF REPORTS RECEIVED AS TO STATE OF BEDS.
	CO. KERRY.				A. R. P.	CO. KERRY
2	3rd January, 1906 ..	Samuel T. Hoard ..	Samuel T. Hoard ..	Kenmare Bay	214 0 34	No report received

## APPENDIX

LIST of LICENCES to Plant OYSTER BEDS *in force* at date of this Report and

No. of Licence.	Date of Licence.	Persons to whom Granted.	Alleged present Owner or Lessee, or Agent.	Locality of Beds.
CO. CORK.				
77	15th July, 1867	John Smyth .. ..	John J. Smyth ..	Midleton River ..
145	27th Dec., 1876	Standish D. O'Grady .. and Rev. E. H. Newenham ..	— Clarke and Captain P. W. Newenham	Owenboy River
18	29th May, 1914	Gerald J. Macaura ..	Gerald J. Macaura ..	Lough Hyne ..
CO. KERRY.				
5	5th Feb., 1851	John Mahony ..	Robert M'Clure ..	Estuary of Kenmare River.
6	Do.	Rev. Denis Mahony ..	Robert M'Clure *	do. ..
60	30th Dec., 1865	Richard Mahony ..	R. P. Colomb ..	Kenmare Estuary
84	11th Feb., 1868	Charles Sandes ..	Frederick M'Kibben ..	River Shannon ..
91	11th March, 1869	Richard J. Mahony ..	R. P. Colomb ..	Kenmare Bay ..
*92	Do.	Sir John C. R. Colomb	do ..	do. ..
120	14th June, 1873	Robert M Cowen ..	W. H. M'Cowen ..	Barrow Harbour
154	6th October, 1879	Charles Sandes ..	Frederick M'Kibben ..	River Shannon ..
162	17th Nov., 1883	do. ..	do. ..	do. ..
183	3rd January, 1906	Samuel T. Heard ..	Samuel T. Heard ..	Kenmare Bay ..
CO. CLARE.				
179	24th June, 1902	The Burren Fisheries, Limited.	D. J. Mooney ..	Poulnacough Bay
CO. GALWAY.				
15	21st August, 1886	William Foreman ..	Patrick Connelly ..	Ardbear Bay ..
19	3rd Feb., 1860	Rev R. H. Wall ..	Patrick Connelly ..	Murrin and Ard- bear Bays.

\*Transferred to present Grantee on 24th October, 1894



No. 9

substance of Reports received in respect of year to 30th April, 1920.

No. of License	Area of Beds.	Average area of Beds available	SUBSTANCE OF REPORTS RECEIVED AS TO STATE OF BEDS.
	A. R. P.	Acres.	
			CO. CORK.
77	10 2 0	5	Nothing done to bed.
145	A 39 1 2 B 36 2 19	21 24	Bed in good condition. 10,000 oysters from Truro laid down. 1,000 oysters taken off for consumption. No fall of spat.
186	1 0 15	—	No report received.
			CO. KERRY.
5	145 2 0	140	Nothing done to bed.
6	147 2 0	13-20	do.
60	30 0 0	1	Unfit for oysters owing to mud.
84	56 0 0	15-20	Bed in satisfactory condition. 100,000 oysters from Tralee laid down 46,000 oysters, value £224, taken off and sold for consumption. Good fall of spat observed.
91	48 0 0	—	Same reply as No. 60.
92	136 0 0	—	do.
123	84 1 26	10	Nothing done to bed for the last few years.
153	217 0 23	—	Bed worked in connection with No. 84.
162	40 2 27	—	do.
183	214 0 35	—	Nothing done to bed for the last two years.
			CO. CLARE.
173	60 0 0	—	No report received.
			CO. GALWAY.
15	90 2 0	2	Bed in good condition, and has been cleaned. 4,000 oysters taken off. Fairly good fall of spat was observed.
19	243 0 0	160	Bed in good condition and has been cleaned. 3,000 oysters taken off. Fairly good fall of spat observed.

## APPENDIX

LIST of LICENCES to Plant OYSTER BEDS *in force* at date of this Report and

No. of Licence.	Date of Licence.	Persons to whom Granted.	Alleged present Owner or Lessee, or Agent.	Locality of Beds.
CO. GALWAY— (continued).				
33	6th April, 1864 ..	Lord Walscourt ..	D. J. Mooney .. ..	Galway Bay ..
149	30th June, 1877 ..	do. ..	do. .. ..	do. ..
37	31st Oct., 1864 ..	John Kenda ..	Patrick Connolly .. ..	Ardbear and Man- nin Bays.
114	26th Dec., 1871 ..	Colin Hugh Thomson ..	Major A. J. D. Thomson ..	Killary Bay ..
115	9th Feb., 1872 ..	W. and J. St. George ..	J. St. George .. ..	Galway Bay ..
171	9th Nov., 1893 ..	John MacSheehy ..	John Pickles .. ..	Ballinakill Harbour
181	4th June, 1894 ..	The Most Rev. John Healy, D.D., Roman Catholic Archbishop of Tuam.	The Most Rev. John Healy, D.D., Roman Catholic Archbishop of Tuam.	Streamstown Bay
CO. MAYO.				
8	17th Nov., 1882 ..	John G. Garvey ..	P. C. Garvey .. ..	Clew Bay ..
141	28th Dec., 1876 ..	Francis Mulholland ..	M. Mulholland .. ..	do. ..
*172	6th May, 1896 ..	William Casey ..	Michael Moran .. ..	do. ..
175	29th Dec., 1896 ..	Brother Joseph Benedict Tully	Superior of Franciscan Monastery, Achill. ..	Achill Sound ..
CO. SLIGO.				
7	17th Nov., 1882 ..	Thomas White ..	Connought Fisheries and Produce Co., Ltd.	Ballisodare Bay..

\* Licence No. 138, dated 19th August, 1873, to John Kendal, cancelled, and No. 172 granted in lieu thereof

No. 9—*continued*.

substance of Reports received in respect of year to 30th April, 1920.

No. of Licence	Area of Beds.	Average area of Beds available.	SUBSTANCE OF REPORTS RECEIVED AS TO STATE OF BEDS.
	A. R. P.	Acres.	
CO. GALWAY— <i>(continued)</i> .			
33	1,770 0 0	100	No reports received.
149	153 3 8	—	
37	236 0 0	10	Same reply as No. 13.
114	201 2 0	80	Bed in impoverished condition owing to bad weather and inability to obtain fresh supplies of oysters. 500 oysters have been taken off for private consumption. Slight fall of spat observed.
113	810 0 0	30	Bed in good condition. 4,000 oysters, value £12 14s. 0d., taken off and sold for consumption. A small quantity of spat fell.
171	380 3 0	—	No report received.
181	104 0 0	—	No report received.
CO. MAYO.			
8	108 3 33	4	No report received.
141	12 1 30	8	Bed in fair condition. 200 oysters taken off for consumption. A very small fall of spat.
172	44 0 37	10	Bed in fair condition, and has been cleaned. 1,200 oysters, value £4, were taken off and sold for consumption. 960 oysters from Clew Bay laid down.
173	125 0 0	—	Nothing done to bed for a long time.
CO. SLIGO.			
7	122 1 26	10	Bed worked in conjunction with No. 102.

## APPENDIX

LIST of LICENCES to Plant OYSTER BEDS in force at date of this Report and

No of Licence	Date of Licence.	Persons to whom Granted.	Alleged present Owner or Lessee, or Agent.	Locality of Beds.
CO. SLIGO— (continued).				
48	12th April, 1865 ..	Sir Robert Gore Booth, Bart.	Sir Josiyla Gore Booth, Bart.	Drumcliffe Bay
89	1st Dec., 1865 ..	Richard J. Verschoyle ..	Mrs. Ogle .. .. .	Ballisodare Bay
85	18th June, 1867 ..	Sir Robert Gore Booth, Bart.	Sir Joselyn Gore Booth, Bart.	Drumcliffe Bay
86	13th March, 1868 ..	Colonel Edward Cooper	Major B. R. Cooper ..	Ballisodare Bay
101	12th March, 1870 ..	R. J. Verschoyle ..	Mrs. Ogle .. .. .	Ballisodare Bay
102	22nd April, 1871 ..	Agnes M. Nicholson ..	Connought Fisheries and Produce Company, Ltd.	Sligo Bay
121	24th Feb., 1873 ..	R. J. Verschoyle ..	Mrs. Ogle .. .. .	Ballisodare Bay
133	27th Jan., 1874 ..	St. Geo. Jones Martin ..	R. Fraser .. .. .	Sligo Estuary or Bay
143	14th June, 1884 ..	Percy Harding Ross ..	Connought Fisheries and Produce Company, Ltd.	Ballisodare Bay
169	22nd Dec., 1891 ..	Alex. Joseph Crichton ..	Alex. Joseph Crichton ..	do.
176	25th August, 1898	Catherine Philbbs ..	Basil Philbbs .. ..	do.
CO. LOUTH.				
87	1st Dec., 1863 ..	John Obins Woodhouse	Michael E. Hardy .. ..	Carlingford Lough
65	4th June, 1866 ..	do. .. ..	do. .. ..	do.

No. 9—continued.

substance of Reports received in respect of year to 30th April 1920.

No. of Licence	Area of Beds.	Average area of Beds available.	SUBSTANCE OF REPORTS RECEIVED AS TO STATE OF BEDS.
	A. R. P.	Acres.	
			CO. SLIGO—(continued).
19	118 3 0	40	Nothing done to bed during the year. Bed covered with mud and drifting sand.
59	54 0 0	20	Nothing done to bed.
46	87 0 0	10	Same reply as No. 49.
86	190 0 0	10	Nothing done to bed.
101	13 2 0	2	Same reply as No. 59.
102	52 2 10	28	Bed in excellent condition. 360,000 oysters, value, £1,206, taken off and sold for consumption. 108,730 oysters from Cornwall laid down. No fall of spat detected.
121	114 0 20	9	Same reply as No. 59.
135	77 1 33	35	Bed fairly well stocked and in healthy condition. 60,000 oysters sold for consumption. 10,000 oysters from Bismarck laid down. Fairly good fall of spat observed.
163	130 2 21½	14	Bed worked in conjunction with No. 102.
169	100 3 30	—	Nothing done to bed. Very few oysters on it.
176	81 1 2	—	Bed in good order. 500 oysters taken off for private consumption.
			CO. LOUTH.
57	34 0 0	50	Bed in good condition. 1,400,000 oysters taken off for consumption. 900,000 Cornish, 1,200,000 American, 200,000 Dutch, and 100,000 Portuguese oysters laid down. A poor quantity of spat fell.
65	96 0 0		
			Bed in good condition. 700,000 oysters taken off for consumption. 1,080,000 American oysters laid down.

## APPENDIX

## BEAM AND OTTER

STATION.	Number of men engaged in the Trawling industry.	Number of boats regularly engaged in Beam Trawling			Number of boats regularly engaged in Otter Trawling.			Tonnage of motor boats engaged.			
		Steam	Motor	Sailing	Steam	Motor	Sailing	Not exceeding 10 tons.	Over 10 and not exceeding 20 tons.	Over 20 and not exceeding 30 tons.	Over 30 and not exceeding 40 tons.
Howth .. .. .	3	-	-	-	-	-	1	-	-	-	-
Ringsend .. ..	108	-	-	-	5	14	3	8	4	2	-
Kingsdown .. ..	6	-	-	-	-	1	1	1	-	-	-
Arklow .. .. .	43	-	-	-	-	7	4	2	2	2	1
Courtown .. ..	28	-	-	-	-	-	7	-	-	-	-
Wexford .. .. .	35	-	-	-	-	4	7	4	-	-	-
Bannow .. .. .	9	-	-	-	-	-	4	-	-	-	-
Arklowtown .. ..	28	-	-	-	-	2	9	2	1	-	-
Dunmore East ..	13	-	-	-	-	-	5	-	-	-	-
Tramore .. .. .	7	-	-	-	-	-	2	-	-	-	-
Helwick Head ..	70	-	-	-	-	2	13	1	-	-	1
Ardmore .. .. .	5	-	-	1	-	-	-	-	-	-	-
Youghal .. .. .	9	-	-	-	-	5	-	-	2	-	-
Knockadoon .. ..	4	-	-	1	-	-	-	-	-	-	-
Ballycotlin .. ..	16	-	-	-	-	-	4	-	-	-	-
East Ferry .. ..	42	-	-	8	-	2	4	-	2	-	-
Kinsale .. .. .	14	-	-	-	-	2	1	2	-	-	-
Courtsmasherry ..	8	-	-	-	-	-	2	-	-	-	-
Ross Bar .. .. .	4	-	-	-	-	-	1	-	-	-	-
Union Hall .. ..	36	-	-	-	-	6	-	2	4	-	-
Castletownshend ..	38	-	-	-	-	6	-	2	4	-	-
Baltimore .. ..	18	-	1	1	-	1	-	1	1	-	-
Schull .. .. .	15	-	-	-	-	1	6	1	-	-	-
Ballycrovane .. ..	14	-	-	2	-	-	1	-	-	-	-
Lacken Point .. ..	3	-	-	-	-	1	-	1	-	-	-
Dingle .. .. .	105	-	-	14	-	-	7	-	-	-	-
River Shannon ..	21	-	-	7	-	-	-	-	-	-	-
Galway .. .. .	25	-	-	5	-	-	-	-	-	-	-
Carried forward ..	781	-	1	39	5	51	32	27	20	4	2

No. 10.

## TRAWLING, 1919.

Tonnage of sailing boats engaged.				Months in which Fishing was carried on.	STATION.
Not ex- ceeding 10 tons.	Over 10 and not exceed- ing 20 tons.	Over 20 and not exceed- ing 30 tons.	Over 30 and not exceed- ing 40 tons.		
-	-	1	-	August to November .. ..	Howth
2	-	-	1	All year .. ..	Ringsend
-	-	1	-	July to November .. ..	Kingstown
4	-	-	-	All year .. ..	Arklow
7	-	-	-	March to December .. ..	Courtown
4	3	-	-	All year .. ..	Wexford
4	-	-	-	August to December .. ..	Bannow
3	-	-	-	All year .. ..	Arthurs town
3	2	-	-	All year .. ..	Dunmore East
2	-	-	-	May to November .. ..	Tramore
13	-	-	-	All year .. ..	Helwick Head
1	-	-	-	September to October .. ..	Armore
-	-	-	-	All year .. ..	Youghal
1	-	-	-	July and August .. ..	Knockadoon
4	-	-	-	All year .. ..	Ballycotton
8	4	-	-	All year .. ..	East Ferry
1	-	-	-	May to November .. ..	Kinsale
-	2	-	-	March to December .. ..	Courtmacsherry
1	-	-	-	April to November .. ..	Ross Bar
-	-	-	-	January, February, August, Novem- ber and December.	Union Hall
-	-	-	-	All year .. ..	Castletownshend
-	1	-	-	All year .. ..	Baltimore
6	-	-	-	April to December .. ..	Schull
-	1	2	-	February to October .. ..	Ballycrovane
-	-	-	-	March to December .. ..	Lodreen Point
-	-	3	16	February to May .. ..	Dingle
5	2	-	-	April to November .. ..	River Shannon
-	-	-	3	All year .. ..	Galway
74	15	9	22		

## APPENDIX

## BEAM AND OTTER

STATION.	Number of men engaged in the Trawling industry.	Number of boats regularly engaged in Beam Trawling.			Number of boats regularly engaged in Otter Trawling.			Tonnage of motor boats engaged.			
		Steam	Motor	Sailing	Steam	Motor	Sailing	Not exceeding 10 tons.	Over 10 and not exceeding 20 tons.	Over 20 and not exceeding 30 tons.	Over 30 and not exceeding 40 tons.
Brought forward ..	731	-	1	39	5	51	83	97	20	4	3
North Aran .. ..	29	-	-	1	-	5	-	1	2	2	-
Cleggan .. ..	8	-	-	-	-	-	2	-	-	-	-
Rossmore .. ..	18	-	-	-	-	-	6	-	-	-	-
Blacksod Point ..	35	-	-	-	-	1	7	1	-	-	-
Ragley .. ..	19	-	-	-	-	-	4	-	-	-	-
Mullaghmore .. ..	31	-	-	-	-	-	7	-	-	-	-
Ennisrone .. ..	18	-	-	-	-	-	8	-	-	-	-
Ross (Kilish) .. ..	2	-	-	-	-	-	1	-	-	-	-
Ball Hill .. ..	4	-	-	-	-	-	2	-	-	-	-
Ballyshannon .. ..	10	-	-	-	-	-	5	-	-	-	-
Sherphove .. ..	9	-	-	-	-	1	1	-	-	-	-
Mulroy .. ..	12	-	-	-	-	2	-	-	2	-	-
Rathmullan .. ..	12	-	-	-	-	-	4	-	-	-	-
Buncrata .. ..	6	-	-	-	-	1	1	1	-	-	-
Malin Head .. ..	3	-	-	-	-	1	-	-	-	-	-
Greencastle .. ..	15	-	-	-	-	-	5	-	-	-	-
Moville .. ..	16	-	-	-	-	7	1	7	-	-	-
Portrush and Port- stewart .. ..	46	-	-	-	-	18	1	17	1	-	-
Ballycastle .. ..	12	-	-	-	-	3	-	5	-	-	-
Cushendal .. ..	1	-	-	-	-	2	-	2	-	-	-
Glenarm .. ..	5	-	-	-	-	2	-	2	-	-	-
Portlough .. ..	4	-	-	-	4	7	-	7	-	-	-
Carriekfergus .. ..	6	-	-	-	-	-	3	-	-	-	-
Belfast .. ..	6	-	-	-	-	2	1	2	-	-	-
Bangor and Geomspoint	17	-	-	-	-	16	1	16	-	-	-
Portavogie .. ..	120	-	-	-	-	24	-	2	22	-	-
Newcastle .. ..	5	-	-	-	-	-	3	-	-	-	-
Annalong .. ..	7	-	-	-	-	2	-	2	-	-	-
Ballygibbon .. ..	42	-	-	-	-	6	2	1	3	2	-
Malinbeg .. ..	4	-	-	-	-	1	1	1	-	-	-
Skerry .. ..	5	-	-	-	-	1	-	-	1	-	-
Totals .. ..	1,277	-	1	60	9	155	148	92	51	8	3



No. 10—continued.

## TRAWLING, 1919.

Tonnage of sailing boats engaged.				Months in which fishing was carried on.	STATION.
Not exceeding 10 tons.	Over 10 and not exceeding 20 tons.	Over 20 and not exceeding 30 tons.	Over 30 and not exceeding 40 tons.		
74	16	9	22		
-	-	1	-	All year .. .. .	North Aran
2	-	-	-	June, July, August .. .	Cleggan
1	4	1	-	May to October .. .	Rosmasey
-	7	-	-	May to September .. .	Blackod Point
4	-	-	-	May to October .. .	Ragley
7	-	-	-	May to August .. .	Mullaghmore
2	-	-	-	May to September .. .	Ennisconne
1	-	-	-	May to August .. .	Ross (Killala)
2	-	-	-	March to November .. .	Bali Hill
1	-	-	-	April to October .. .	Ballyshannon
1	1	-	-	June and July .. .	Sheephaven
-	-	-	-	July .. .	Mulroy
4	-	-	-	April to October .. .	Rathmullan
1	-	-	-	April to October .. .	Buncrana
1	-	-	-	June to August .. .	Malin Head
6	-	-	-	April, May: July to September .. .	Greencastle
1	-	-	-	March to November .. .	Naville
1	-	-	-	March to October .. .	Portrush and Portstewart
-	-	-	-	January, February: April to October .. .	Ballycastle
-	-	-	-	April to December .. .	Cushendall
-	-	-	-	July to December .. .	Glenarm
-	-	-	1	All year .. .	Portmuck
3	-	-	-	April to November .. .	Carrickfergus
1	-	-	-	June to September .. .	Belfast
1	-	-	-	June to December .. .	Bangor and Greenisport
-	-	-	-	January to March: October to December .. .	Portavogie
4	-	1	-	March to October .. .	Newcastle
-	-	-	-	All year .. .	Annalong
2	-	-	-	Throughout year .. .	Balbriggan
1	-	-	-	October to December .. .	Malahide
-	-	-	-	Throughout year .. .	Skerries
128	27	12	26		

## APPENDIX No. II.

## LOANS.

The following tables show the transactions in regard to Loans to Fishermen.

TABLE No. 1.

TABLE showing the Loans applied for and granted during 12 months ended 31st March, 1920.

County.	Number of Applications.	Number of Applicants.	Amount of Loans applied for.	Number of Loans Granted	Number of Persons to whom Granted	Amount of Loans Granted.
			£ s. d.			£ s. d.
Antrim .. ..	6	10	1,138 15 0	2	7	614 0 0
Carik .. ..	6	6	234 2 4	5	5	234 2 4
Down .. ..	14	17	4,549 15 11	9	11	3,137 8 2
Dublin .. ..	18	26	9,144 0 0	10	19	6,982 0 0
Londonderry .. ..	2	2	271 16 6	2	2	271 16 6
Louth .. ..	1	3	970 0 0	1	3	970 0 0
Waterford .. ..	1	1	63 0 0	1	1	63 0 0
Wexford .. ..	3	3	99 0 0	3	3	99 0 0
Wicklow .. ..	9	12	2,907 10 0	7	10	2,607 10 0
<b>Totals</b>	<b>54</b>	<b>80</b>	<b>19,464 19 9</b>	<b>42</b>	<b>63</b>	<b>14,582 17 0</b>

## APPENDIX NO. 11—continued.

## LOANS.

TABLE NO. 2.

TABLE showing purposes for which Loans exceeding £10 were applied for and granted during 12 months ended 31st March, 1920.

COUNTY.	PURPOSE FOR WHICH LOANS WERE GRANTED.					
	Purchasing Motor Fishing Boats.	Installing Motor Engines in Fishing Boats.	Purchasing Sailing Boats.	Repairing Boats or Engines	Purchasing Winch and Trawling Gear	Purchasing Fishing Gear.
Antrim .. ..	—	1 of £135 1 of £335 1 of £124	—	—	—	—
Cork .. ..	—	—	1 of £15	—	—	1 of £127 12 6 1 of £73 10 0
Down .. ..	1 of £750	1 of £82 6 8 1 of £140 0 0 1 of £200 0 0 1 of £134 1 6 3 of £500 0 0 each.	1 of £340	—	—	—
Dublin .. ..	1 of £200 1 of £700 1 of £1,000 1 of £1,200 1 of £1,560 1 of £1,280	1 of £650	—	1 of £20	1 of £200	1 of £42
Londonderry ..	1 of £111 16 6	1 of £160	—	—	—	—
Louth .. ..	—	1 of £970	—	—	—	—
Waterford ..	—	—	—	—	—	1 of £63
Wexford ..	—	—	1 of £15	1 of £50 1 of £24	—	—
Wicklow ..	1 of £300	1 of £150 * 2 of £200 each, 1 of £460.	—	—	—	1 of £207 10 0

\* Two of which subsequently fell through

## APPENDIX

(NON-CONGESTED)

TABLE

STATEMENT of the Total Amounts Advanced, the Total Repayments Security in respect of loans which have been issued by the Department in non-congested districts. This Statement also includes the Repayment on 31st March, 1900, at foot of unrepaid loans issued by the Board of Fisheries between the passing of the Purchase of Land and

COUNTIES.	Total Number of Loans Advanced to 31st March, 1920.	LOANS ADVANCED.			
		To 31st March, 1919.	During the year ended 31st March, 1920.	Total to 31st March, 1920.	Provisionary Notes given as security for Principal and Interest.
		£ s. d.	£ s. d.	£ s. d.	£ s. d.
Armagh .. ..	107	4,310 3 2	500 12 0	4,810 15 2	7,284 4 0
Clare .. ..	42	756 10 0	—	756 10 0	400 17 3
Cork .. ..	220	3,246 17 6	328 16 4	3,575 15 10	3,809 4 6
Down .. ..	38	634 7 10	—	634 7 10	675 16 10
Dublin .. ..	177	20,014 16 2	1,686 10 6	21,681 7 5	23,604 0 2
Durham .. ..	126	18,453 14 9	4,632 2 10	23,286 17 7	25,160 14 2
Galway .. ..	262	5,281 10 0	—	5,281 10 0	5,624 18 6
Kerry .. ..	13	193 10 0	—	193 10 0	204 13 0
Limerick .. ..	6	337 0 0	—	337 0 0	370 11 4
Londonderry .. ..	66	4,450 11 6	—	4,450 11 6	4,832 6 1
Louth .. ..	39	766 12 6	—	766 12 6	840 6 0
Mayo .. ..	185	1,392 19 4	—	1,392 19 4	1,467 5 11
Meath .. ..	2	22 10 0	—	22 10 0	23 12 6
Sligo .. ..	36	461 14 0	—	461 14 0	482 5 6
Waterford .. ..	69	2,491 1 0	463 0 0	2,954 1 0	3,169 11 7
Wexford .. ..	73	2,397 7 0	340 0 0	2,737 7 0	2,655 10 7
Wicklow .. ..	136	36,540 9 2	3,074 1 4	44,614 11 1	46,284 14 11
<b>Totals .. ..</b>	<b>1,645</b>	<b>105,773 16 10</b>	<b>11,104 5 2</b>	<b>116,880 2 0</b>	<b>127,690 12 11</b>

NOTE.—Sums amounting to £955 were received from borrowers in the year ended 31st March 1920 advanced from Borrowers' deposits during the year. These sums are not shown in above

No. 11—continued.

DISTRICTS).

No. 3

on Open Accounts, and the Amounts of Promissory Notes given as ment between 1st April, 1900, and 31st March, 1920, to fishermen in payments made to the Department in respect of amounts outstanding of Public Works on the recommendation of the Inspectors of Irish Congested Districts (Ireland) Act, 1891, and the 31st March, 1900.

Amount of Promissory Notes recoverable and outstanding (including recoverable arrears 31st March, 1900, in respect of Loans issued prior to that date.	Repayments to 31st March, 1920.	Outstanding Promissory Notes not arrived at maturity.	ARREARS.		Irrecoverable.
			No. of Loans.	AMOUNT.	
£ s. d.	£ s. d.	£ s. d.		£ s. d.	£ s. d.
189 2 0	6,536 12 9	856 8 3	—	—	126 2 3
237 11 10	1,030 1 1	—	—	—	8 8 0
1,274 18 6	4,579 0 11	496 2 1	—	—	—
198 11 3	949 8 1	—	—	—	—
266 11 8	16,382 2 11	4,044 14 1	3	66 7 0	94 18 8
1,470 18 8	16,912 2 2	6,457 0 7	4	288 9 4	84 18 0
2,398 7 1	7,769 17 7	—	—	—	253 8 0
409 4 0	694 19 3	—	—	—	8 17 6
238 2 10	695 14 2	—	—	—	—
308 14 11	4,486 6 2	628 15 4	—	—	—
66 16 7	774 15 0	43 15 6	1	88 14 0	—
306 5 1	1,773 11 0	—	—	—	—
—	23 12 6	—	—	—	—
92 10 8	581 14 2	—	—	—	—
36 5 9	3,026 2 9	133 16 11	1	4 16 10	—
148 3 2	2,686 11 2	273 3 5	—	—	70 9 6
842 15 10	34,820 11 5	10,365 8 1	11	370 19 2	1,365 19 9
8,176 19 11	109,113 6 2	23,299 2 6	20	789 4 4	1,702 2 2

1920, as deposits towards cost of fishing boats and gear required by them and the sum of £845 statement.

## APPENDIX

## SCHEDULE OF LICENCE DUTIES payable in each District on Engines

DISTRICT.	1. Salmon Rods.	2. Cross Lines.	3. Snap Nets.	4. Draft Nets.	5. Drift Nets.	6. Trammel Nets for Poller.	7. Draft Nets for Poller.	8. Pole Nets.	9. Bag Nets.	10. Fly Nets.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Dublin ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	-	-	2 0 0		
2. Wexford ..	1 0 0	2 0 0	0 15 0	3 0 0	1 10 0	-	-	2 0 0		
3. Waterford ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	-	-	2 0 0		
4. Lismore ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	-	-	2 0 0		
5. Cork ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	-	-	2 0 0		
61. Slubbereen ..	1 0 0	1 0 0	0 15 0	3 0 0	3 0 0	-	-	1 0 0		
62. Bantry ..	1 0 0	1 0 0	0 15 0	3 0 0	3 0 0	-	-	1 0 0		
64. Kenmare ..	1 0 0	1 0 0	0 15 0	3 0 0	3 0 0	-	-	1 0 0		
73. Killybeg ..	1 0 0	2 0 0	1 0 0	3 0 0	3 0 0	0 15 0	0 15 0	1 0 0		
74. Waterville ..	1 0 0	2 0 0	1 0 0	3 0 0	3 0 0	0 15 0	0 15 0	1 0 0		
8. Limerick ..	1 0 0	1 5 0	1 10 0	3 0 0	3 0 0	1 10 0	-	2 0 0		
91. Galway ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	-	-	2 0 0	10 0 0	30 0 0
92. Connemara ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	-	-	2 0 0		
101. Ballinakill ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	-	-	2 0 0		
102. Bangor ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	-	-	2 0 0		
11. Ballina ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	-	-	2 0 0		
12. Sligo ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	-	-	2 0 0		
13. Ballyshannon ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	1 10 0	-	2 0 0		
14. Letterkenny ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	-	-	2 0 0		
151. Londonderry ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	-	-	2 0 0		
152. Coleraine ..	1 0 0	2 0 0	0 15 0	3 0 0	3 0 0	1 0 0	1 10 0	2 0 0		
16 Ballycastle ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	-	-	2 0 0		
171. Drogheda ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	-	-	2 0 0		
172. Dundalk ..	1 0 0	2 0 0	1 10 0	3 0 0	3 0 0	-	-	2 0 0		

No. 12.

used for fishing for salmon, &amp;c., at date of this Report.

11. Stake Nets.	12. Head Weirs.	13. Box, Crib, &c.	14. Gap, Hye, &c.	15. Sweep- era.	16. Coghills	17. Loop Nets.	18. Long Lines for White Trawl.	19. Eel Trap.	20. Eel Lines.	
									1000 hooks and under.	Over 1000 hooks
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
			1 0 0	-	-	-	-	-	-	-
			0 10 0	-	1 0 0	-	-	-	0 15 0	0 15 0
			1 0 0	-	-	-	-	-	-	-
			1 0 0	-	-	-	-	-	-	-
			1 0 0	-	-	-	-	-	-	-
			0 10 0	-	-	-	-	-	-	-
			0 10 0	-	-	-	-	-	-	-
			0 10 0	3 0 0	1 10 0	-	-	-	-	-
			0 10 0	-	-	-	-	-	-	-
			0 10 0	-	-	-	-	-	-	-
			1 0 0	-	-	-	-	-	-	-
10 0 0	0 0 0	10 0 0	1 0 0	-	1 0 0	-	-	7 10 0	0 15 0	0 15 0
			1 0 0	-	1 0 0	-	-	-	-	-
			1 0 0	-	-	-	-	-	-	-
			1 0 0	-	-	-	-	-	-	-
			1 0 0	-	-	-	-	-	-	-
			1 0 0	-	-	-	-	-	-	-
			1 0 0	-	1 0 0	-	-	-	2 0 0	3 0 0
			0 10 0	-	1 0 0	0 10 0	1 0 0	-	-	-
			1 0 0	-	-	-	-	-	-	-
			1 0 0	-	3 0 0	-	-	-	-	-
			1 0 0	-	0 10 0	-	-	-	-	-
			1 0 0	-	1 0 0	0 10 0	-	-	-	-
			1 0 0	-	1 0 0	-	-	-	0 10 0	-

## SCHEDULE OF LICENCE DUTIES, &amp;c., received by the

DISTRICT.	Number and Description of Licences sold.																			
	1. Salmon Rods.	2. Cross Lines.	3. Snag Nets.	4. Draft Nets.	5. Drift Nets.	6. Trawl Nets for Pollen.	7. Pole Nets.	8. Bag Nets.	9. Fly Nets.	10. Stake Nets.	11. Head Wels.	12. Box, Crab, &c.	13. Cap, Eye, &c.	14. Sweepnets.	15. Cogalls.	16. Loop Nets.	17. Draft Nets for Pollen.	18. Long Lines for White Trout.	19. Eel Trap.	20. Long Lines for Eels.
1. Dublin ..	189	-	-	17	25	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Wexford	110	1	-	82	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1
3. Waterford	254	-	128	15	85	-	-	1	-	5	-	4	50	-	-	-	-	-	-	-
4. Lismore	217	1	19	16	78	-	1	-	-	3	-	1	-	-	-	-	-	-	-	-
5. Cork ..	138	-	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Do (Bandon)	74	1	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. Skibbereen	10	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6A. Bantry ..	1	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6B. Kenmare	23	-	-	5	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	-
7. Killarney	186	-	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7A. Waterville	140	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. Limerick	517	7	22	101	49	-	3	-	-	30	-	11	138	-	-	-	-	-	-	-
9. Galway ..	30	-	-	11	-	-	-	-	-	-	-	5	29	-	-	-	-	-	1	3
9A. Conemara	131	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-
10. Ballinakill	38	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10A. Bangor ..	50	-	-	13	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
11. Ballina ..	72	-	-	14	24	-	-	-	-	-	-	7	24	-	-	-	-	-	-	-
12. Sligo ..	54	-	-	7	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
13. Ballyshannon	82	3	-	18	7	-	1	-	-	1	-	5	32	-	-	-	-	-	-	-
14. Letterkenny	190	-	-	19	124	-	-	2	-	-	-	2	-	-	-	21	-	-	-	-
15. Londonderry	453	-	-	24	72	-	2	4	-	3	-	-	-	-	-	-	-	-	-	-
15A. Coleraine	112	-	-	10	13	82	-	1	-	-	-	4	-	-	68	-	161	-	-	-
16. Ballycastle	40	-	-	11	10	-	-	14	-	-	-	-	-	-	2	-	-	-	-	-
17. Droughda	121	4	1	102	-	-	-	-	-	-	-	6	22	-	-	-	-	-	-	-
17A. Dondalk	48	-	-	25	-	-	-	-	-	-	1	-	9	-	-	-	-	-	-	-
Total, 1919	3,419	17	130	638	688	83	10	25	-	40	1	48	369	2	50	21	141	-	1	3
Total, 1918	2,478	21	181	738	504	88	17	25	-	42	1	46	362	3	49	21	138	-	3	-

The estimate of the average number of

1. Salmon Rods	..	..	..	1 man.
2. Cross Lines	..	..	..	2 men.
3. Snag Nets	..	..	..	4 do.
4. Draft Nets	..	..	..	6 do.
5. Drift Nets	..	..	..	5 do.

6. Trawl Nets	..	..	..	2 men.
7. Pole Nets	..	..	..	3 do.
8. Bag Nets	..	..	..	4 do.
9. Fly Nets	..	..	..	4 do.
10. Stake Nets	..	..	..	4 do.



No. 13

## BOARDS OF CONSERVATORS for the year 1919.

Amount of Licence Duty.	Percentage on Poor Law Valuation.	Amount received for Fines, Sale of Poised Engines, Interest on Bank Account, Refunds, &c.	Amount of Subscriptions received.	Total of Amount received.	Average No. of persons employed.	Distance.
£ s. d. 220 0 0	£ s. d. 7 10 0	£ s. d. 25 4 9	£ s. d. 69 7 0	£ s. d. 421 1 9	424	1. Dublin.
232 10 0	24 9 0	10 2 8	120 6 9	553 8 5	645	2. Wexford.
225 0 0	58 8 6	35 9 2	100 0 0	1,113 17 8	1,377	3. Waterford.
651 10 0	267 9 0	25 2 0	134 4 0	1,059 5 0	797	4. Lismore.
260 0 0	56 10 0	108 0 1	260 10 0	748 0 1	362	5. Cork.
154 0 0	2 18 0	25 13 0	102 10 0	343 2 0	232	Do. (Bandon).
31 0 0	—	0 16 3	25 0 0	66 14 3	52	61. Skibbereen.
25 0 0	—	1 16 2	1 10 0	28 6 2	49	62. Bantry.
57 0 0	0 5 0	8 2 2	80 0 0	145 7 2	75	63. Kenmare.
238 0 0	31 4 0	299 2 0	297 5 0	835 11 6	420	74. Killybegs.
179 0 0	6 0 0	0 1 0	35 10 0	270 11 0	160	75. Waterville.
2,222 15 0	70 5 0	88 11 11½	576 7 4	2,964 19 9½	2,090	8. Limerick.
201 0 0	5 5 0	42 19 6	29 6 8	278 11 2	215	21. Galway.
164 0 0	75 2 0	0 14 8	35 0 0	254 16 8	137	22. Connemara.
103 0 0	0 14 0	2 7 10	—	106 1 10	148	101. Ballinakill.
112 0 0	11 0 0	0 7 4	40 0 0	163 7 4	141	102. Bangor.
280 0 0	85 14 0	24 8 4	200 0 0	489 19 4	327	11. Ballina.
78 0 0	32 5 0	3 6 8	238 9 0	342 0 8	102	12. Sligo.
277 0 0	—	20 3 1	267 12 6	564 16 7	304	13. Ballyshannon.
822 10 0	10 0 0	16 9 0	—	635 19 0	854	14. Letterkenny.
880 0 0	107 0 0	43 3 6	80 0 0	1,110 3 6	996	151. Londonderry.
496 10 0	72 3 0	56 6 11	80 0 0	894 19 11	734	152. Coleraine.
284 0 0	5 0 0	0 13 4	8 0 0	277 18 4	234	16. Ballycastle.
518 10 0	16 9 0	8 11 0	75 14 0	619 4 0	792	172. Drogheda.
158 0 0	13 8 0	12 6 6	65 0 0	248 14 6	237	173. Dundalk.
2,337 5 0	287 19 0	205 16 4½	2,951 13 3	14,652 18 7½	11,932	Total, 1919.
2,329 5 0	620 8 6	1,626 19 5	2,814 16 7	14,807 8 6	12,008	Total, 1918

men employed is made up as follows:—

11. Head Weirs .. .. . 1 man.	16. Loop or Frame Nets .. .. . 1 man.
12. Box, Crib, etc. (every 5) .. 2 men.	17. Draft Nets for Pollen .. .. 2 men.
13. Gap, Eye, etc. .. .. . 2 do.	18. Long Lines .. .. . 3 do.
14. Sweepers .. .. . 6 do.	19. Eel Trap .. .. . 3 do.
15. Coghills .. .. . 1 man.	

## APPENDIX NO. 14.

TABLE showing the Total Amount received in the various Fishery Districts from the sale of Licences between the years 1863 and 1919 inclusive.

Year.	Amount received for Licence Duty.	Year.	Amount received for Licence Duty.	Year	Amount received for Licence Duty.
1863	£ 5,659 7 6	1883	£ 9,728 0 0	1900	£ 9,521 15 0
1864	6,841 5 0	1884	9,976 0 0	1901	9,210 10 0
1865	6,537 6 8	1885	10,746 15 0	1902	9,275 0 0
1866	6,828 16 8	1886	10,652 4 6	1903	9,795 15 0
1867	6,947 0 0	1887	9,802 10 0	1904	10,290 0 0
1868	6,667 0 0	1888	10,625 0 0	1905	10,802 5 0
1869	6,444 8 4	1889	10,020 10 0	1906	11,042 10 0
1870	7,233 3 4	1890	10,005 10 0	1907	10,607 15 0
1871	8,364 5 0	1891	10,550 10 0	1908	10,276 5 0
1872	8,369 5 0	1892	10,509 0 0	1909	10,927 0 0
1873	8,515 5 0	1893	10,509 5 0	1910	11,049 10 0
1874	8,776 0 0	1894	11,138 2 6	1911	10,942 0 0
1875	8,894 5 0	1895	10,448 5 0	1912	11,429 5 0
1876	9,265 15 0	1896	10,817 15 0	1913	10,778 10 0
1877	9,241 15 0	Unaccounted for in 1896		1914	10,230 15 0
1878	9,290 5 0		18 0 0	1915	9,318 5 0
1879	9,250 15 0	1897	10,525 0 0	1916	8,725 0 0
1880	9,055 10 0	1898	10,421 0 0*	1917	8,600 0 0
1881	9,362 0 0	1899	9,821 15 0†	1918	9,539 5 0
1882	9,935 10 0			1919	9,837 5 0

\* Includes 31 Eel Licences used in 1897, and not paid for until 1898.

† Includes 1 Salmon Rod, 3 Dog Nets, and 7 Eel Licences used in 1894, and not paid for until 1899.

## APPENDIX No. 15.

## ABSTRACTS OF ACCOUNTS RECEIVED FROM THE DIFFERENT DISTRICTS FOR THE YEAR, 1919.

## DUBLIN DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year	—	—	—	394	12	3
189 Salmon Rod Licences ... ..	189	0	0			
17 Draft Net " " " " " "	51	0	0			
26 Drift Net " " " " " "	78	0	0			
1 Pole Net " " " " " "	2	0	0			
Total Licence Duty ... ..	—	—	—	320	0	0
Fines and costs received ... ..	—	—	—	3	6	8
Sales of forfeited engines ... ..	—	—	—	9	0	0
Rates on Valuations of Fisheries ...	—	—	—	7	10	0
Subscriptions (including £35 18s. from Department of Agriculture and Technical Instruction) ... ..	—	—	—	68	7	0
Miscellaneous Receipts ... ..	—	—	—	2	0	0
Interest on Bank Account ... ..	—	—	—	10	18	1
Total ... ..	—	—	—	£815	14	0

The Expenditure was as follows:—

Water Bailiffs ... ..	217	7	4			
Postage and Insurance ... ..	6	4	2			
Printing and Stationery ... ..	10	3	11			
Travelling and Miscellaneous ... ..	73	13	4			
Salaries ... ..	24	0	0			
Proportion of Penalties to Prosecutors	10	16	8			
Commission on Sale of Licences ... ..	25	9	0			
Legal Expenses ... ..	13	4	4			
Total ... ..	—	—	—	380	18	9
Balance { In Bank ... ..	434	3	3			
{ In hands of Clerk ... ..	0	12	0			
	—	—	—	434	15	3
				£815	14	0

## WEXFORD DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year ... ..	—	—	—	292	2	11
140 Salmon Rod Licences ... ..	140	0	0			
1 Cross Line Licence ... ..	2	0	0			
82 Draft Net Licences ... ..	246	0	0			
2 Pole Net " " " " " "	4	0	0			
1 Eel Line Licence ... ..	0	10	0			
Total Licence Duty ... ..	—	—	—	392	10	0

## APPENDIX NO. 15—continued.

	£	s.	d.	£	s.	d.
Fines received ... ..	—	—	—	4	7	0
Rates on Valuations of Fisheries ...	—	—	—	24	9	0
Subscriptions (including £60 from Department of Agriculture and Technical Instruction) ... ..	—	—	—	126	6	9
Interest on Bank Account ... ..	—	—	—	4	17	8
Refund ... ..	—	—	—	9	18	0
Total ... ..	—	—	—	£845	11	4

The Expenditure was as follows:—

Water Bailiffs ... ..	331	5	7			
Expenses of Prosecutions ... ..	25	0	0			
Postage ... ..	3	10	3			
Printing and Stationery ... ..	5	18	8			
Travelling and Miscellaneous (in cluding £112 10s. for erection of Salmon Pass) ... ..	151	5	1			
Salaries ... ..	84	1	11			
Commission on Sale of Licences ...	1	2	0			
Total ... ..	—	—	—	602	3	6
Balance { In Bank No. 1 A/c.	262	9	4			
{ Less due No. 2 A/c.	19	1	6			
	—	—	—	243	7	10
				£845	11	4

## WATERFORD DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year ...	—	—	—	1,005	6	8
254 Salmon Rod Licences ... ..	254	0	0			
128 Snap Net " ... ..	192	0	0			
15 Draft Net " ... ..	45	0	0			
85 Drift Net " ... ..	255	0	0			
1 Bag Net Licence ... ..	10	0	0			
3 Stake Net Licences ... ..	90	0	0			
4 Box or Crib " ... ..	40	0	0			
39 Gap or Eye (for taking Eels) Licences ... ..	39	0	0			
Total Licence Duty ... ..	—	—	—	925	0	0
Fines received ... ..	—	—	—	28	9	2
Rates on Valuations of Fisheries ...	—	—	—	58	8	6
Grant from Department of Agriculture and Technical Instruction ... ..	—	—	—	100	0	0
Moiety of Rewards refunded by De- partment of Agriculture and Tech- nical Instruction for destruction of Seals ... ..	—	—	—	7	0	0
Total ... ..	—	—	—	£2,124	4	4

## APPENDIX No. 15.—continued.

	£	s.	d.	£	s.	d.
The Expenditure was as follows —						
Water Bailiffs ... ..	726	0	10			
Expenses of Prosecutions ...	64	17	6			
Postage ... ..	2	2	5			
Printing and Stationery ...	7	14	11			
Travelling and Miscellaneous Expenses ... ..	57	0	7			
Salaries ... ..	125	0	0			
Commission ... ..	36	17	7			
Insurance of Employees under Workmen's Compensation Acts ...	19	16	11			
Proportion of Penalties to Prosecutors ... ..	5	8	4			
Rewards for killing Seals ...	18	0	0			
Election Expenses ... ..	48	0	6			
	<hr/>					
Total ... ..	—			1,116	19	7
Balance in Bank ... ..	—			1,013	4	9
				<hr/>		
				£2,124	4	4

## LISMORE DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year ...	—			444	8	9
217 Salmon Rod Licences ... ..	217	0	0			
1 Cross Line Licence ... ..	2	0	0			
19 Snap Net Licences ... ..	28	10	0			
16 Draft Net " ... ..	48	0	0			
78 Drift Net " ... ..	234	0	0			
1 Pole Net Licence ... ..	2	0	0			
3 Stake Net Licences ... ..	90	0	0			
1 Box or Crib Licence ... ..	10	0	0			
	<hr/>					
Total Licence Duty ... ..	—			631	10	0
Fines received ... ..	—			17	9	3
Produce of Sale of Forfeited Engines ...	—			3	0	0
Rates on Valuations of Fisheries ...	—			267	9	0
Subscriptions ... ..	—			134	4	0
Interest on Bank Account ... ..	—			4	12	9
				<hr/>		
Total ... ..	—			£1,502	13	9

## APPENDIX NO. 15—continued.

	£	s.	d.	£	s.	d.
The Expenditure was as follows:—						
Water Bailiffs ... ..	686	11	9			
Expenses of Prosecutions ... ..	2	1	2			
Postage ... ..	6	6	8			
Printing and Stationery ... ..	7	19	6			
Travelling Expenses and Miscellaneous Expenses ... ..	113	0	7½			
Salaries ... ..	120	0	0			
Commission on Sale of Licences ... ..	31	15	7			
Proportion of Penalties to Prosecutors ... ..	13	1	0			
Rewards for killing Seals ... ..	0	10	0			
Insurance ... ..	32	5	8½			
Rates, Rent of Boathouse, Bailiffs' Cottages and Hatcheries ... ..	58	12	10			
Expenses of Banteer and Mallow Hatchery ... ..	37	6	11½			
Launch and Boat Expenses ... ..	43	0	10			
Repairs to Fermoy Fish Pass, Banteer Hatchery, etc. ... ..	104	15	7			
Total ... ..	—	—	—	1,257	8	2½
Balance—In Bank ... ..	284	16	0			
Due to Clerk ... ..	39	10	5½			
				245	5	6½
				£1,502	13	9

## CORK DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year	—	—	—	298	15	10½
158 Salmon Rod Licences ... ..	158	0	0			
34 Draft Net „ ... ..	102	0	0			
Total Licence Duty ... ..	—	—	—	260	0	0
Fines received ... ..	—	—	—	16	18	4
Rates on Valuations of Fisheries ... ..	—	—	—	55	10	0
Subscriptions (including £143 5s. from Department of Agriculture and Technical Instruction) ... ..	—	—	—	266	10	0
Interest on Bank Account ... ..	—	—	—	4	1	9
Hire of Launch to Admiralty ... ..	—	—	—	145	0	0
Total ... ..	—	—	—	£1,046	15	11½

The Expenditure was as follows:—

Water Bailiffs ... ..	619	8	4
Expenses of Prosecutions ... ..	50	15	8
Postage, Printing and Stationery ... ..	4	8	4
Travelling and Miscellaneous Expenses ... ..	52	10	7

## APPENDIX NO. 15—continued.

	£	s.	d.	£	s.	d.
Salaries and Commission ...	175	8	3			
Insurance ...	10	7	7			
Launch and Boat Expenses ...	78	2	8			
Total ...	—			991	1	5
Balance { In hands of Clerk ...	68	17	2½			
{ Less Amount due to Bank ...	13	2	8			
				55	14	6½
				£1,046	15	11½

## CORK DISTRICT (Bandon Division).

	£	s.	d.	£	s.	d.
Balance from previous year	—			159	3	0
74 Salmon Rod Licences ...	74	0	0			
1 Cross Line „ ...	2	0	0			
26 Draft Net „ ...	78	0	0			
Total Licence Duty ...	—			154	0	0
Fines and Costs received ...	—			23	15	0
Rates on Valuations of Fisheries ...	—			2	18	0
Subscriptions received (including £90 from Department of Agriculture and Technical Instruction) ...	—			162	10	0
Total ...	—			£502	6	0

The Expenditure was as follows:—

Water Bailiffs ...	188	7	6			
Expenses of Prosecutions ...	11	5	3			
Stationery and Postage ...	2	0	0			
Printing and Advertising ...	3	5	3			
Travelling and Miscellaneous Ex- penses ...	7	9	5			
Salaries and War Bonus ...	97	0	0			
Proportion of Penalties to Prose- cutors ...	7	18	4			
Commission on Sale of Licences ...	7	14	0			
Insurance under Workmen's Com- pensation Acts ...	6	1	0			
National Health Insurance ...	1	10	10			
Contribution to Fishery Conference ...	2	0	0			
Total ...				334	11	7
Balance { In Bank ...	159	16	1			
{ In hands of Clerk ...	7	18	4			
				167	14	5
				£502	6	0

## APPENDIX NO. 15—continued.

## SKIBBEREEN DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year ...	—	—	—	26	5	0
10 Salmon Rod Licences ...	10	0	0			
7 Draft Net „ ...	21	0	0			
Total Licence Duty ...	—	—	—	31	0	0
Grant from Department of Agriculture and Technical Instruction ...	—	—	—	25	0	0
Interest on Bank Account ...	—	—	—	0	14	3
Total ...	—	—	—	£82	19	3

The Expenditure was as follows.—

Water Bailiffs ...	29	5	0			
Postage ...	0	8	0			
Printing and Stationery ...	0	7	6			
Travelling and Miscellaneous ...	13	3	3			
Salaries ...	10	0	0			
Commission on Sale of Licences ...	1	11	0			
Total ...	—	—	—	54	14	9
Balance { In Bank ...	22	1	7			
{ In hands of Clerk	6	2	11			
	—	—	—	28	4	6
				£82	19	3

## BANTRY DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year ...	—	—	—	36	9	5
1 Salmon Rod Licence ...	1	0	0			
8 Draft Net Licences ...	24	0	0			
Total Licence Duty ...	—	—	—	25	0	0
Fines received ...	—	—	—	1	0	8
Interest on Bank Account ...	—	—	—	0	15	6
Grant from Department of Agriculture and Technical Instruction ...	—	—	—	1	10	0
Total ...	—	—	—	£64	15	7

The Expenditure was as follows.—

Postage ...	0	12	0
Printing and Stationery ...	3	7	9
Travelling and Miscellaneous Expenses ...	1	17	0
Salaries ...	10	10	0



## APPENDIX NO 15—continued.

	£	s.	d.	£	s.	d.
Commission on Sale of Licences ...	1	5	0			
Expenses of Prosecutions ...	2	2	0			
	<hr/>					
Total ...	—			19	13	9
Balance in Bank ...	—			45	1	10
				<hr/>		
				£64	15	7

## KENMARE DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year ...	—			83	0	11
23 Salmon Rod Licences ...	23	0	0			
6 Draft Net ...	18	0	0			
1 Bag Net Licence ...	10	0	0			
2 Sweeper Licences ...	6	0	0			
	<hr/>					
Total Licence Duty ...	—			57	0	0
Fines received ...	—			8	2	2
Rates on Valuations of Fisheries ...	—			0	5	0
Subscriptions (including £60 from the Department of Agriculture and Technical Instruction) ...	—			80	0	0
				<hr/>		
Total ...	—			£228	8	1

The Expenditure was as follows:—

Water Bailiffs ...	98	19	11			
Expenses of Prosecutions ...	3	0	0			
Postage ...	0	19	10			
Printing and Stationery ...	2	7	4			
Travelling and Miscellaneous ...	6	15	0			
Salaries ...	15	18	5			
	<hr/>					
Total ...	—			128	0	6
Balance in Bank ...				100	7	7
				<hr/>		
				£228	8	1

## WATERVILLE DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year ...	—			96	13	2
140 Salmon Rod Licences ...	140	0	0			
3 Draft Net ...	9	0	0			
3 Box or Crib ...	30	0	0			
	<hr/>					
Total Licence Duty ...	—			179	0	0

## APPENDIX NO. 15—continued.

	£	s.	d.	£	s.	d.
Rates on Valuations of Fisheries ...	—			6	0	0
Subscriptions (including £55 from the Department of Agriculture and Technical Instruction) ...	—			85	10	0
Receipts for Bailiff's warrant ...	—			0	1	0
Total ... ..	—			£367	4	2

The Expenditure was as follows —

Water Bailiffs ... ..	81	0	0			
Printing and Stationery ... ..	2	13	11			
Travelling and Miscellaneous Ex- penses ... ..	20	19	6			
Salaries ... ..	60	0	0			
Commission on Sale of Licences ...	8	0	0			
Expenses of Prosecutions ... ..	3	3	0			
Total ... ..	—			175	16	5
Balance in Bank ... ..	—			191	7	9
				£367	4	2

## KILLARNEY DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year ...	—			378	13	9
156 Salmon Rod Licences ... ..	156	0	0			
44 Draft Net ... ..	132	0	0			
Total Licence Duty ... ..	—			288	0	0
Fines received ... ..	—			7	8	8
Rebate of Insurance ... ..	—			0	18	6
Rates on Valuations of Fisheries ...	—			31	4	0
Subscriptions (including £140 5s. from the Department of Agricul- ture and Technical Instruction)... ..	—			207	5	3
Sale of Boat ... ..	—			5	0	0
Refunds ... ..	—			275	15	4
Total ... ..	—			£1,194	5	3

The Expenditure was as follows —

Water Bailiffs ... ..	589	8	6			
Expenses of Prosecutions ... ..	10	17	5			
Postage ... ..	2	16	5			
Printing and Stationery ... ..	4	4	5			
Travelling and Miscellaneous Ex- penses ... ..	233	4	10			
Salaries ... ..	90	0	0			

## APPENDIX NO. 15—continued.

	£	s.	d.	£	s.	d.
Proportion of Penalties to Prosecutors ... ..	1	0	0			
Commission on Sale of Licences ...	16	8	0			
	<hr/>					
Total ... ..	—			947	19	7
Balance in Bank ... ..				246	5	8
				<hr/>		
				£1,194	5	3

## LIMERICK DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year ...	—			210	8	11½
517 Salmon Rod Licences ... ..	517	0	0			
7 Cross Line " " " "	8	15	0			
22 Snap Net " " " "	33	0	0			
101 Draft Net " " " "	303	0	0			
49 Drift Net " " " "	147	0	0			
3 Pole Net " " " "	6	0	0			
30 Stake Weir " " " "	900	0	0			
11 Box or Crib " " " "	110	0	0			
198 Eel Gap ... ..	198	0	0			
	<hr/>					
Total Licence Duty ... ..	—			2,222	15	0
Fines received ... ..	—			67	8	8½
Produce of Sales of Forfeited Engines	—			5	19	6
Rates on Valuations of Fisheries ...	—			70	5	6
Subscriptions (including £408 16s. 4d. from the Department of Agriculture and Technical Instruction) ...	—			575	7	4
Interest on Bank Account	—			1	17	9
Miscellaneous Receipts	—			13	6	0
	<hr/>					
Total ... ..	—			3,167	8	9
Due to Bank ... ..	—			60	3	9
				<hr/>		
				£3,227	12	6

The Expenditure was as follows :—

Water Bailiffs ... ..	2,273	2	7			
Expenses of Prosecutions ... ..	92	4	3			
Postage ... ..	18	13	2			
Printing and Stationery ... ..	60	7	7			
Travelling and Miscellaneous ...	504	17	1			
Salaries ... ..	205	5	0			
Proportion of Penalties to Prosecutors ... ..	48	3	0			
Interest to Bank ... ..	5	6	6			
	<hr/>					
Total ... ..	—			3,207	19	2
In hands of Clerk ... ..	—			19	13	4
				<hr/>		
				£3,227	12	6



## APPENDIX NO. 15.—continued.

## CONNEMARA DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year	—	—	—	97	5	11
131 Salmon Rod Licences ... ..	131	0	0	—	—	—
13 Gap, Eye or Basket Licences ...	13	0	0	—	—	—
Total Licence Duty ... ..	—	—	—	144	0	0
Fines received ... ..	—	—	—	0	14	8
Rates on Valuations of Fisheries ...	—	—	—	75	2	0
Subscriptions (including £30 from the Department of Agriculture and Technical Instruction) ... ..	—	—	—	35	0	0
Total ... ..	—	—	—	£352	2	7

The Expenditure was as follows:—

Water Bailiffs ... ..	147	0	0			
Expenses of prosecutions ... ..	7	9	7			
Postage ... ..	2	4	7			
Printing and Stationery ... ..	4	6	1			
Travelling and Miscellaneous ... ..	35	3	8			
Salaries ... ..	25	0	0			
Commission on Sale of Licences	6	11	0			
Total ... ..	—	—	—	227	14	11
Balance { In Bank ... ..	123	7	8			
{ In Hands of Clerk	1	0	0			
	—	—	—	124	7	8
				£352	2	7

## BALLYNAKILL DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year	—	—	—	111	14	5
58 Salmon Rod Licences ... ..	58	0	0			
15 Draft Net ... ..	45	0	0			
Total Licence Duty ... ..	—	—	—	103	0	0
Fines received ... ..	—	—	—	2	7	10
Rates on Valuations of Fisheries	—	—	—	0	14	0
Total ... ..	—	—	—	£217	16	3

## APPENDIX 15—continued.

				£	s.	d.	£	s.	d.
The Expenditure was as follows:—									
Water Bailiffs	...	...	...	65	0	0			
Expenses of Prosecutions	...	...	...	3	15	0			
Postage	...	...	...	1	1	2			
Printing and Stationery	...	...	...	2	2	3			
Travelling and Miscellaneous	...	...	...	4	5	2			
Salaries and War Bonus	...	...	...	30	0	0			
Commission	...	...	...	5	10	2			
Total				—			111	13	9
Balance in Bank				—			106	2	6
							<u>£217 16 3</u>		

## BANGOR DISTRICT.

				£	s.	d.	£	s.	d.
Balance from previous year				—			170	6	7
50 Salmon Rod Licences	...	...	...	50	0	0			
13 Draft Net	..	...	...	39	0	0			
1 Drift Net	..	...	...	3	0	0			
2 Bag Net	..	...	...	20	0	0			
Total Licence Duty				—			112	0	0
Fines received				—			0	7	4
Rates on Valuations of Fisheries				—			11	0	0
Grant from Department of Agriculture and Technical Instruction				—			40	0	0
Total				—			<u>£333 13 11</u>		

The Expenditure was as follows:—

Water Bailiffs	...	...	...	110	10	0			
Expenses of Prosecutions	...	...	...	2	0	0			
Printing and Stationery	...	...	...	2	8	1			
Postage	...	...	...	0	10	0			
Travelling and Miscellaneous Expenses	...	...	...	0	13	0			
Salaries	...	...	...	30	0	0			
Insurance	...	...	...	8	9	5			
Office Rent	...	...	...	1	0	0			
Total				—			155	10	6
Balance {In Bank				151	12	0			
{In hands of Clerk				26	11	5			
							178	3	5
							<u>£333 13 11</u>		

## APPENDIX No. 15—continued.

## BALLINA DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year		—		108	17	7
72 Salmon Rod Licences ... ..	72	0	0			
14 Draft Net „ ... ..	42	0	0			
24 Drift Net „ ... ..	72	0	0			
7 Box or Crib „ ... ..	70	0	0			
24 Eel Gap „ ... ..	24	0	0			
Total Licence Duty ... ..	—			280	0	0
Fines received ... ..	—			19	13	4
Rates on Valuations of Fisheries	—			85	14	0
Grant from Department of Agriculture and Technical Instruction	—			200	0	0
Refund of Premium on Employer's Liability Policy ... ..	—			4	12	0
Total ... ..	—			£698	16	11

The Expenditure was as follows:—

Water Bailiffs ... ..	377	0	0			
Expenses of Prosecutions ... ..	46	9	8			
Postage ... ..	0	19	3			
Printing and Stationery ... ..	1	2	6			
Travelling and Miscellaneous ...	2	10	0			
Salaries ... ..	40	0	0			
Proportion of Penalties to Prosecutors... ..	12	0	0			
Premium on Employer's Liability Policy ... ..	12	1	9			
Total ... ..	—			492	3	2
Balance { In Bank ... ..	187	12	0			
{ In hands of Clerk	19	1	9	206	13	9
				£698	16	11

## SLIGO DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year		—		84	12	10
54 Salmon Rod Licences ... ..	54	0	0			
7 Draft Net „ ... ..	21	0	0			
3 Eel Net „ ... ..	3	0	0			
Total Licence Duty ... ..	—			78	0	0
Fines received ... ..	—			3	6	8
Rates on Valuations of Fisheries	—			32	5	0
Subscriptions (including £80 from the Department of Agriculture Technical Instruction) ... ..	—			228	9	0
Total ... ..	—			£426	13	6

## APPENDIX NO. 15—continued.

				£	s.	d.	£	s.	d.	
The Expenditure was as follows:—										
Water Bailiffs	...	...	...	255	17	6				
Postage	...	...	...	1	10	0				
Printing and Stationery	...	...	...	1	1	6				
Travelling and Miscellaneous Ex-										
penses	...	...	...	7	3	0				
Salaries	...	...	...	35	0	0				
Insurance	...	...	...	5	3	6				
Subscription to Irish Conservators'										
Conference	...	...	...	2	0	0				
Total	...	...	...	—			307	15	6	
Balance	{	In Bank	...	112	7	0	{	118	18	0
		Due to Clerk	...	6	11	0				
							£426 13 6			

## BALLYSHANNON DISTRICT.

				£	s.	d.	£	s.	d.
Balance from previous year				—			160	9	4
82 Salmon Rod Licences	...	...	...	82	0	0			
3 Cross Line	...	...	...	6	0	0			
18 Draft Net	...	...	...	54	0	0			
7 Drift Net	...	...	...	21	0	0			
1 Pole Net Licence	...	...	...	2	0	0			
1 Stake Net	...	...	...	30	0	0			
5 Box or Crib Licences	...	...	...	50	0	0			
32 Gap or Eye	...	...	...	32	0	0			
Total Licence Duty				—			277	0	0
Fines received	...	...	...	—			20	3	1
Produce of Sales of Forfeited Engines	...	...	...	—			—		
Subscriptions	...	...	...	—			267	13	6
Interest	...	...	...	—			—		
Total				—			725	5	11

\*The Expenditure amounted to ... .. 493 5 8  
 Balance in Bank ... .. 332 0 3

Total ... .. — 725 5 11

\* The Department are in correspondence with the Board of Conservators relative to the details of this total expenditure



## APPENDIX NO. 15—continued.

## LETTERKENNY DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year ...	—	—	—	—	—	—
190 Salmon Rod Licences ...	190	0	0			
19 Draft Net .....	57	0	0			
124 Drift Net .....	372	0	0			
2 Bag Net Licences ...	20	0	0			
2 Box or Crib .....	20	0	0			
21 Loop Net .....	10	10	0			
Total Licence Duty ...	—	—	—	669	10	0
Fines received ...	—	—	—	3	15	4
Rates on Valuations of Fisheries ...	—	—	—	10	0	0
Rebate on Insurance of Officers ...	—	—	—	4	13	8
Refunds ...	—	—	—	8	0	0
Total ...	—	—	—	695	19	0
Due to Bank ...	—	—	—	109	1	6
				£805	0	6

## Debit Balance at close of 1918

Accounts ... 181 16 4

## The Expenditure was as follows.—

Water Bailiffs ...	382	0	0
Expenses of Prosecutions ...	29	1	0
Postage ...	5	6	10
Printing and Stationery ...	17	0	3
Travelling and Miscellaneous ...	83	6	1
Salaries ...	100	0	0
Rewards for killing Seals ...	6	10	0
Total ...	—	—	—
			£805 0 6

## LONDONDERRY DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year ...	—	—	—	128	2	0
458 Salmon Rod Licences ...	458	0	0			
24 Draft Net .....	72	0	0			
72 Drift Net .....	216	0	0			
2 Pole Net .....	4	0	0			
4 Bag Net .....	40	0	0			
3 Stake Net .....	90	0	0			
Total Licence Duty ...	—	—	—	880	0	0
Fines received ...	—	—	—	43	3	6
Rates on Valuations of Fisheries ...	—	—	—	107	0	0
Grant from Department of Agriculture and Technical Instruction ...	—	—	—	80	0	0
Total ...	—	—	—	£1,238	5	6

## APPENDIX NO. 15—continued.

The Expenditure was as follows:—

	£	s.	d.	£	s.	d.
Water Bailiffs ... ..	347	12	3			
Expenses of Prosecutions ... ..	74	3	9			
Travelling and Miscellaneous Expenses (including £439 10s. 3d. in repayment of loan to Foyle and Bann Fishery Company) ...	445	8	7			
Salaries ... ..	50	0	0			
Commission on Sale of Licences ...	37	18	0			
<b>Total</b> ... ..				955	2	7
Balance in Bank ... ..				283	2	11
				<b>£1,238</b>	<b>5</b>	<b>6</b>

## COLERAINE DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year ...	—			114	18	11
112 Salmon Rod Licences ... ..	112	0	0			
6 Draft Net ... ..	18	0	0			
12 Drift Net ... ..	36	0	0			
83 Trammel Net for Pollen Licences ...	83	0	0			
1 Bag Net Licence ... ..	10	0	0			
4 Box or Crib Licences ... ..	40	0	0			
48 Coghill ... ..	144	0	0			
141 Draft Net for Pollen Licences ...	211	10	0			
4 Draft Net for Bel Licences ...	12	0	0			
<b>Total Licence Duty</b> ... ..	—			666	10	0
Fines received ... ..	—			51	13	4
Rates on Valuations of Fisheries ...	—			72	3	0
Interest on Bank Account... ..	—			2	13	7
Rent of Boat House ... ..	—			2	0	0
Grant from Department of Agriculture and Technical Instruction	—			90	0	0
Balance due Treasurer ... ..	—			80	19	2
<b>Total</b> ... ..				<b>1,080</b>	<b>18</b>	<b>0</b>

The Expenditure was as follows:—

Water Bailiffs ... ..	713	7	3			
Expenses of Prosecutions ... ..	47	5	9			
Postage ... ..	8	10	1			
Printing and Stationery ... ..	9	18	11			
Travelling and Miscellaneous ...	148	11	0			
Salaries ... ..	110	0	0			
Proportion of Penalties to Prosecutors ... ..	13	0	0			
Commission on Sale of Licences ...	30	5	0			
<b>Total</b> ... ..				<b>£1,080</b>	<b>18</b>	<b>0</b>

## APPENDIX NO. 15—continued.

## BALLYCASTLE DISTRICT.

	£	s.	d.	£	s.	d.
60 Salmon Rod Licences ... ..	60	0	0			
11 Draft Net " ... ..	33	0	0			
10 Drift Net " ... ..	30	0	0			
14 Bag Net " ... ..	140	0	0			
2 Coghill " ... ..	1	0	0			
Total Licence Duty ... ..				£264	0	0
Fines received ... ..	—			0	13	4
Rates on Valuations of Fisheries ...	—			5	0	0
Subscriptions ... ..	—			8	0	0
Total ... ..	—			£277	13	4

The Expenditure was as follows:—

Water Bailiffs ... ..	241	12	11
Expenses of Prosecutions ... ..	8	8	0
Postage ... ..	0	19	1
Printing and Stationery ... ..	1	13	0
Miscellaneous (including reductions on licences) ... ..	11	10	0
Salaries ... ..	10	0	0
Proportion of Penalties to Prose- cutors ... ..	0	10	0
Commission on Sale of Licences ...	3	0	4
Total ... ..	£277	13	4

## DUNDALK DISTRICT.

	£	s.	d.	£	s.	d.
Balance from previous year ...	—			111	17	8
68 Salmon Rod Licences ... ..	68	0	0			
25 Draft Net " ... ..	75	0	0			
1 Head Weir Licence ... ..	6	0	0			
9 Eel Gap or Eye Licences ... ..	9	0	0			
Total Licence Duty ... ..				158	0	0
Fines received ... ..	—			12	6	6
Rates on Valuations of Fisheries ...	—			13	8	0
Subscriptions (including £40 from Department of Agriculture and Technical Instruction) ... ..	—			65	0	0
Total ... ..	—			£300	12	2

## APPENDIX NO. 15—continued.

				£	s.	d.	£	s.	d.
The Expenditure was as follows:—									
Water Bailiffs	...	...	...	130	5	0			
Postage	...	...	...	1	0	0			
Printing and Stationery	...	...	...	7	14	0			
Travelling and Miscellaneous Ex-									
penses	...	...	...	55	3	8			
Salaries	...	...	...	66	0	0			
Commission on Sale of Licences	...			7	15	0			
				<hr/>					
Total	...	...	...	—			267	17	8
Balance	{	In Bank	...	86	1	4			
		In hands of Clerk	...	6	13	2	92	14	6
							<hr/>		
							£360	12	2

## DROGHEDA DISTRICT.

				£	s.	d.	£	s.	d.
Balance	{	In Bank (Current a/c.)	...	229	6	11			
		In Bank (Deposit a/c.)	...	100	0	0			
							329	6	11
121	Salmon Rod Licences	...	...	121	0	0			
4	Cross Line	"	...	8	0	0			
1	Snap Net Licence	...	...	1	10	0			
102	Draft Net Licences...	...	...	306	0	0			
6	Box or Crib	"	...	60	0	0			
22	Eel	"	...	22	0	0			
Total Licence Duty				...	...	—	518	10	0
Fines received				...	...	—	3	8	8
Rates on Valuations of Fisheries				...	...	—	16	9	0
Subscriptions (including £40 from Department of Agriculture and Technical Instruction)				...	...	—	75	14	0
Interest on Deposit Account				...	...	—	5	2	4
Total <sup>1</sup>				...	...	—	£948	10	11

The Expenditure was as follows:—

Water Bailiffs	...	...	...	411	8	9
Expenses of Prosecutions	...	...	...	4	9	6
Postage	...	...	...	4	11	4½
Printing and Stationery	...	...	...	14	7	6
Travelling and Miscellaneous ex-						
penses	...	...	...	90	18	10
Salaries	...	...	...	138	12	4
Commission on Collection of Rates	...			2	9	3
Commission on Sale of Licences	...			3	12	0

## APPENDIX No. 15—continued.

		£	s.	d.	£	s.	d.
National Health Insurance	...	10	10	8½			
Total	... ..			—	681	0	3
Balance in Bank	... ..			—	267	10	8
					£948	10	11

STATEMENT OF RECEIPTS AND EXPENDITURE BY BOARDS OF CONSERVATORS  
IN YEAR 1919.

## RECEIPTS.

## EXPENDITURE.

	£	s.	d.		£	s.	d.
Licences	9,837	5	0	Bailiffs	9,215	11	0
Fines	364	18	8½	Salaries	1,651	15	11
Rates	957	19	0	Travelling and Mis-			
Subscriptions	1,231	18	11	cellaneous	1,728	11	8½
Grants from Department	1,719	14	4	Proportion of Penalties			
Miscellaneous	1,540	17	8	to Prosecutors	121	17	4
				Other expenses	1,957	11	9
	£15,652	13	7½		*£14,675	7	8½

\* Exclusive of a total expenditure of £493 5s. 8d. by the Ballyshannon Board of Conservators—see note on page 48.

## SUBSTANCE of REPORTS received from Clerks of

DISTRICT.	What is the general state of the Salmon Fisheries in this District? Are they, as a rule, improving or declining?	
	1919	1918.
Dublin ...	Improved slightly; net and rod fishing fairly good.	Rod fishing in the Upper reaches improved; net fishing declining as compared with 1917. ...
Wexford ...	Improving. ...	Fair; declining. ...
Waterford ...	Very fair; improving ...	Declining. ...
Lismore ...	Good; improving ...	Declining; below 1917 and previous years' average ...
Cork ...	Fair; maintaining the average ...	Fair; declined during year 1918 ...
Cork (Bandon) ...	Fair; improving. ...	Fair; angling about the same, netting bad.
Skibbereen ...	Fair; improving. ...	Fair; improving. ...
Bantry ...	Improving. ...	Improving ...
Kenmare ...	About the same ...	About the same. ...
Waterville ...	Good; improving ...	Good; improving ...
Killarney ...	Improving ...	Fair; no improvement since 1913; spring fishing fair, but grilse failed.
Limerick ...	Improving; a marked improvement on last year.	Salmon fisheries about average; people showed a marked decrease.
Galway ...	Fair; declining ...	Declining ...
Connemara ...	Fairly good; improving ...	Fair; trout fishing improved considerably.
Ballinakill ...	Declining ...	Not so good as in previous year ...
Bangor ...	Improving. ...	Fairly good; declining slightly ...
Ballina ...	Improving ...	Improved slightly ...
Sligo ...	Fair; not declining ...	Fair; improving ...
Ballyshannon ...	Below last year's average; declining	Very bad; declining ...
Letterkenny ...	Fair ...	Fair ...
Londonderry ...	Improved as compared with 1918, but declining generally during past eight years.	Declining ...
Coleraine ...	Improving ...	Declining ...
Ballycastle ...	Not up to the average generally; the Bush, Portrush, Portmooon, and Portbraddon Fisheries considerably below the average.	Fair; below average ...
Dundalk ...	Fairly satisfactory in Dee and Glyde rivers; bad in other parts of district.	Bad in all rivers except Dee, Glyde, and Fane, where take of salmon by nets was the best for the past twenty or thirty years.
Drogheda ...	Improving ...	Declining as compared with 1917; but the fisheries in district tend to improve.

No. 16.

## CONSERVATORS relative to SALMON FISHERIES.

Has the take of Salmon and Grilse by nets and weirs throughout the District been more, or less, productive in the present year than in the past one?				DISTRICT.			
1919.				1918.			
Productive ... ..				Less productive ... ..			Dublin
More productive ... ..				Considerably less productive ...			Wexford.
More productive ... ..				Less productive ... ..			Waterford.
More productive ... ..				Less productive ... ..			Lismore.
Slightly more productive ... ..				Less productive ... ..			Cork.
Grilse more productive; salmon less productive.				Less productive by nets; no weirs in District.			Cork (Bandon).
More productive. ... ..				More productive ... ..			Skibbereen.
More productive; the best for the past 30 years.				More productive ... ..			Bantry
Most productive for several years				Less productive ... ..			Kenmare.
More productive ... ..				Fair average ... ..			Waterville
Much more productive ... ..				Salmon by nets about the same; grilse less productive; no weirs in District.			Killarney.
Much more productive ... ..				Considerably less ... ..			Limerick.
Less productive than in previous years.				More productive at Galway Fishery; bad rest of District.			Galway.
No Salmon or grilse taken by nets or weirs.				Spring and Summer netting satisfactory.			Connemara.
Less productive ... ..				Less productive ... ..			Ballinakill.
Much more productive ... ..				Slightly less productive ... ..			Bangor.
More productive ... ..				Grilse more productive; salmon not so productive.			Ballina.
About the same ... ..				About the same ... ..			Sligo.
About the same ... ..				Considerably less productive ...			Ballyshannon
More productive generally than last year.				Less productive generally ... ..			Letterkenny
More productive. ... ..				About the same ... ..			Londonderry
More productive ... ..				Considerably less productive ...			Coleraine.
Less productive ... ..				Below average in all fisheries in District except Carrick-a-rede.			Ballycastle
Less productive generally ... ..				Less productive, except in rivers Dee, Glyde, and Fane.			Dundalk
Salmon less productive; grilse more productive.				Salmon less productive; grilse more productive.			Drogheda.

## SUBSTANCE of REPORTS received from Clerks of

DISTRICT.	Has the take of Sea Trout by nets and weirs been more, or less, productive this year than in the past one ?	
	1919	1918.
Dublin ...	More productive ... ..	About the same ... ..
Wexford ...	More productive by nets ... ..	About the same ... ..
Waterford ...	No sea trout taken ... ..	—
Lismore ...	Cannot ascertain ... ..	Cannot ascertain ... ..
Cork ...	Practically no sea trout in District	Practically no sea trout in District
Cork (Bandon)	None taken ... ..	Very few sea trout taken with salmon and grise.
Skibbereen ...	—	—
Bantry ...	—	—
Kenmare ...	No sea trout taken ... ..	No sea trout taken ... ..
Waterville ...	More productive; great improvement in run of sea trout as compared with former nine or ten years	More productive ... ..
Killarney ...	—	—
Limerick ...	—	—
Galway ...	About the same ... ..	Less productive ... ..
Connemara ...	—	—
Ballinakill ...	Less productive ... ..	More productive ... ..
Bangor ...	More productive ... ..	Less productive ... ..
Ballina ...	Less productive ... ..	Less productive ... ..
Sligo ...	—	—
Ballyshannon	Less productive ... ..	Less productive; very few white trout taken.
Letterkenny ...	Cannot say ... ..	Less productive ... ..
Londonderry...	More productive ... ..	About the same ... ..
Coleraine ...	More productive ... ..	Much less productive ... ..
Ballycastle ...	About the same; very few sea trout taken.	Sea trout declining throughout District ... ..
Dundalk ...	Less productive ... ..	More productive in Dee, Glyde, and Fane; less productive in other rivers.
Drogheda ...	More productive ... ..	More productive ... ..



No. 16—continued.

CONSERVATORS relative to SALMON FISHERIES—continued.

What is your report as to Angling in the District?		District.
1919.	1918.	
Fairly good ... ..	Very good in the early months. ...	Dublin.
Very bad ... ..	Disappointing; very few salmon were taken in proportion to other years.	Wexford.
Fair. ... ..	Poor ... ..	Waterford.
Good from February to beginning of June; poor during remainder of season owing to continuous drought.	Poor ... ..	Lismore.
Fairly good until May, after which dry season set in.	Bad ... ..	Cork.
Good in March and April, bad during remainder of season owing to drought.	Not up to average ... ..	Cork (Bandon).
Poor ... ..	Fair ... ..	Skibbereen.
Bad ... ..	Bad ... ..	Bantry.
Not good, except in River Blackwater.	Not good, except in River Blackwater.	Kenmare.
Spring Salmon fishing only fair owing to bad weather; summer and autumn salmon fishing good; white trout fishing was the best for the past 7 or 8 years.	Salmon fishing not as good as in former years owing to height of the Lake; improved at end of March to June. White trout fishing was the best for the past 12 years.	Waterville.
Poor owing to low state of water.	Poor ... ..	Killarney.
Salmon fishing up to average. Peal fishing the best for many years.	Salmon fishing up to average Peal very poor.	Limerick.
Not good.	Bad owing to lowness of water at Estuaries.	Galway.
Good during early summer season; unfavourable during August and September; Salmon and grilse more productive than for several years.	There was no angling practically for spring fish—grilse and summer salmon were plentiful in the larger rivers and lakes in June, but there were no anglers. Smaller rivers suffered on account of dry spring. There was a good stock of fish in late summer, and trout were heavy and in good condition. Owing to unfavourable weather takes were disappointing.	Connemara.
Good ... ..	No angling during the year ... ..	Ballinaskill.
Good ... ..	Bad ... ..	Bangor.
Disappointing, as rivers were well stocked. Angling was best in June and July, bad during remainder of season owing to floods, after which fish did not take.	Bad owing to low water.	Bahina.
Fairly good.	Fairly good in Ballysodare and Sligo rivers.	Sligo.
Bad. ... ..	Bad Anglers suspended fishing ...	Ballyshannon.
Good ... ..	Fairly good in early season; below average later.	Letterkenny.
Below average owing to quantity of flax water in rivers.	Below average owing to low water ..	Londonderry.
Good ... ..	Very favourable in early part of season; poor later.	Coleraine.
Fairly good from February to middle of May; very few fish taken during remainder of season owing to drought.	Favourable during February, March, and first part of April; poor in all districts rest of summer owing to low, peaty water.	Ballycastle.
Not satisfactory generally.	Satisfactory early in season, not so good towards end, save in river Fane, in which river angling was fairly good in last month of season	Dundalk.
Spring fishing good; poor afterwards owing to low state of water.	Very good ... ..	Drogheda.

## APPENDIX

## SUBSTANCE of REPORTS received from Clerks of

DISTRICT.	What was the highest whole-sale price given for Salmon, 1919 ?	What was the highest whole-sale price given for Salmon, 1918 ?	What was the lowest whole-sale price 1919 ?	What was the lowest whole-sale price 1918 ?
	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>
Dublin ... ..	2 8	2 8	1 6	2 8
Wexford ... ..	2 10	2 8	2 0	1 10
Waterford ... ..	2 6	3 0	2 0	2 10
Lismore ... ..	2 6	2 10	2 4	2 4
Cork ... ..	2 6	2 8	1 6	2 3
Cork (Bandon) ... ..	2 8	3 0	2 0	2 0
Skibbereen ... ..	2 6	2 6	1 8	2 2
Bantry ... ..	3 0	2 6	1 6	1 6
Kenmare ... ..	2 8	2 6	1 4	1 6
Waterville ... ..	17 0	6 6	2 8	2 0
Killarney ... ..	7 0	4 0	1 2	1 8
Limerick ... ..	2 8	2 8	2 8	2 2
Galway ... ..	2 8	2 8	2 8	2 8
Connemara ... ..	—	—	—	—
Ballinakill ... ..	1 8	1 6	1 2	1 0
Bangor ... ..	2 8	3 0	1 8	2 8
Ballina ... ..	2 8	3 0	1 3	1 11
Sligo ... ..	17 6	6 0	3 6	2 8
Ballyshannon ... ..	3 6	3 0	1 0	Cannot ascertain.
Letterkenny ... ..	Cannot ascertain.	Cannot ascertain.	Cannot ascertain.	Cannot ascertain.
Londonderry ... ..	2 8	2 8	1 5	1 6
Coleraine ... ..	2 8	2 8	2 3	2 4
Ballycastle ... ..	2 8	2 8	1 8	2 4
Dundalk ... ..	2 8	3 0	2 0	1 9
Drogheda ... ..	2 6	4 0	1 10	2 6

No. 16—continued.

CONSERVATORS relative to SALMON FISHERIES.—continued.

Has any peculiarity been observed in the date on which fish have appeared in the rivers this season?		DISTRICT.
1919.	1918.	
Fish ran earlier than in previous season.	Fish appeared earlier than last year	Dublin.
Fish ran earlier ... ..	No. ... ..	Wexford.
No ... ..	Fish appeared rather early .. ..	Waterford.
No ... ..	No ... ..	Lismore.
No ... ..	Spring fish ran later ... ..	Cork.
No ... ..	No ... ..	Cork (Bandon).
No ... ..	No ... ..	Skibbereen.
No ... ..	No ... ..	Bantry.
Fish ran earlier ... ..	Fish ran earlier than in former years	Kenmare.
No ... ..	No ... ..	Waterville.
No ... ..	No ... ..	Killarney.
No ... ..	No ... ..	Limerick.
No ... ..	No ... ..	Galway.
No ... ..	Heaviest class of trout ran early ...	Connemara.
No ... ..	No ... ..	Ballinakill.
Fish ran later ... ..	Grilse ran earlier ... ..	Bangor.
No ... ..	No ... ..	Ballina.
No ... ..	No ... ..	Sligo.
No ... ..	No ... ..	Ballyshannon.
No ... ..	No ... ..	Letterkenny.
Fish ran later ... ..	No ... ..	Londonderry.
No ... ..	No ... ..	Coleraine.
No ... ..	Fish entered the Bush River in large numbers early in the season.	Ballycastle.
No ... ..	No ... ..	Dundalk.
No ... ..	No ... ..	Drogheda.

## SUBSTANCE of REPORTS received from Clerks of

DISTRICT.	Between what dates did the principal migration of Smolts take place? Was it larger or smaller than usual?	
	1919.	1918.
Dublin ...	April and May. About the same ...	April and May. Slightly larger ...
Wexford ...	March, April and May. Larger ...	April and May. Larger. ...
Waterford ...	April and May. Larger ...	May and July. Slightly larger ...
Lismore ...	14th March to 20th May. Larger and more numerous.	15th March to 14th May. Average ...
Cork ...	28th April and 14th May. Smaller ...	Unable to ascertain ...
Cork (Bandon)	16th March to 16th April. About the same.	16th March to 20th April. About the same.
Skibbereen ...	1st to 12th April. Average ...	1st to 12th April. Average ...
Bantry ...	May. Smaller ...	May. Smaller ...
Kenmare ...	Not observed ...	Not observed ...
Waterville ...	Middle of April to beginning of May. About the same.	15th April to 1st May. Larger ...
Killarney ...	In April and May. About the same	Beginning of March to end of April. Average
Limerick ...	March, April, and May. Larger ...	March, April, and May. Average ...
Galway ...	April and May. Larger ...	April and May. Smaller ...
Connemara ...	April and May. Average ...	April and May. Average ...
Ballinakill ...	Cannot say ...	Cannot say ...
Bangor ...	1st April and 24th May. Larger ...	8th April to 20th May. Larger ...
Ballina ...	April and May. Same as in previous year.	April and May. Larger ...
Sligo ...	May and June. About the same. ...	March to June ...
Ballyshannon	April and May ...	May. Smaller ...
Letterkenny ...	Early in May. Cannot say ...	Early in May. Average ...
Londonderry...	15th March to 15th June. Average	15th March to 15th June. Average
Coleraine ...	12th April to end of June. Much larger.	12th April to 12th June. Not up to average.
Ballycastle ...	15th April to 31st May. Not up to average.	15th April to 31st May. Fair average.
Dundalk ...	1st to 31st May. About the same ...	1st to 31st May. Larger, particularly in Rivers Dee, Glyde, and Face.
Drogheda ...	April and May. About the same ...	April and May. About the same ...

No. 16—continued.

CONSERVATORS relative to SALMON FISHERIES—continued.

Has there been observed more than one migration of Smolts to the sea during the season? If so state when these migrations took place.		DISTRICT
1919.	1918.	
There is always a small migration in the autumn dependent on the amount of water.	There is always a small migration in autumn dependent on the amount of water.	Dublin.
Yes. In July ... ..	No ... ..	Wexford.
April to June ... ..	Yes. In May, June, and July ...	Waterford.
No ... ..	No ... ..	Lismore.
No ... ..	No ... ..	Cork.
No ... ..	No ... ..	Cork (Bandon).
No ... ..	No ... ..	Skibbereen.
No ... ..	No ... ..	Bantry.
No ... ..	No ... ..	Kenmare.
No ... ..	No ... ..	Waterville.
No ... ..	No ... ..	Killarney.
Yes. There is an autumn run in September, October, and November.	March, April, and May. Also September, October, and November.	Limerick.
No ... ..	No ... ..	Galway.
Yes. At end of September & October	No ... ..	Connemara.
Cannot say ... ..	—	Ballinakill.
No ... ..	Two runs observed: about 3rd April and 24th May.	Bangor.
Cannot say ... ..	No ... ..	Ballina.
Yes. In May, June and July.	Yes. In March, April, May, and June, at Sligo, Ballysodare, and Drumcliffe.	Sligo.
No ... ..	No ... ..	Ballyshannon.
Cannot say ... ..	No ... ..	Letterkenny.
No ... ..	No ... ..	Londonderry.
Smolts continued to run during each "fresh" during period of migration.	Smolts continued to run according to the state of the rivers.	Coleraine.
Yes. In July and August in River Bush.	Yes. During last weeks of June, in July and early in August in River Bush.	Ballycastle.
No ... ..	No ... ..	Dundalk.
Yes. A small migration was observed in June and July.	Yes. A small migration was observed in July.	Drogheda.

## SUBSTANCE of REPORTS received from Clerks of

District.	In your opinion was the weather favourable or (1.) To Netting.	
	1919.	1918.
Dublin.	Favourable in June and July	Favourable in early part of year : not so favourable later.
Wexford.	Favourable	Favourable
Waterford	Favourable	Favourable
Lismore.	Favourable	Favourable
Cork.	Favourable	Favourable
Cork (Bandon)	Favourable	Favourable
Skibbereen.	Favourable	Favourable
Bantry.	Favourable	Favourable
Kenmare	Favourable	Favourable
Waterville	Unfavourable except in tidal rivers.	Unfavourable to end of June : favourable from then onwards.
Killarney	Favourable	Favourable.
Limerick	Favourable	Favourable in tidal waters. unfavourable in fresh water owing to floods
Galway	Favourable	Favourable
Connemara	No netting done	Fairly favourable
Balfiniskill	Unfavourable	Favourable
Bangor	Favourable	Favourable
Ballina	Unfavourable	Favourable
Sligo	Favourable	Favourable
Ballyshannon	Favourable	Favourable
Letterkenny	Favourable	Favourable early in season
Londonderry	Favourable	Variable
Colemine	Favourable	Fairly favourable in tidal portion of District : unfavourable in fresh-water.
Ballycastle	Very unfavourable owing to stormy weather.	Fairly favourable during gillie season
Dundalk	Favourable from February to April : unfavourable during remainder of season owing to drought.	Favourable
Drogheda	Favourable in tidal waters.	Favourable in tidal portion of District : unfavourable in fresh water.

No. 16—continued

## CONSERVATORS relative to SALMON FISHERIES—continued.

unfavourable in each month of the open season? (II.) To Angling.		DISTRICT.
1919.	1918.	
Favourable in February, March and April.	Favourable .. .. .	Dublin.
Favourable .. .. .	Favourable .. .. .	Wexford.
Favourable .. .. .	Favourable .. .. .	Waterford.
Unfavourable from June to September.	Unfavourable .. .. .	Limerick.
Favourable to end of April: unfavourable afterwards.	Unfavourable .. .. .	Cork.
Unfavourable except in March and April.	Unfavourable .. .. .	Cork (Bandon).
Favourable in April only .. ..	Favourable, except in June, July, and August.	Sligo.
Unfavourable .. .. .	Unfavourable .. .. .	Bantry.
Unfavourable .. .. .	Unfavourable .. .. .	Kenmare.
Favourable from April to end of May: otherwise unfavourable during season.	Unfavourable to end of March: favourable each month from then to end of season.	Watersville.
Unfavourable .. .. .	Favourable .. .. .	Killarney.
Unfavourable owing to lowness of water.	Favourable .. .. .	Limerick.
Favourable .. .. .	Unfavourable .. .. .	Galway.
Unfavourable generally during Spring season and in August and September: unfavourable in small rivers in June and July owing to drought.	Unfavourable in July, August, and September.	Connemara.
Favourable .. .. .	Unfavourable .. .. .	Ballinakill.
Favourable .. .. .	Unfavourable .. .. .	Bangor.
Unfavourable .. .. .	Unfavourable .. .. .	Ballina.
Favourable .. .. .	Favourable .. .. .	Sligo.
Favourable .. .. .	Favourable: very few anglers ..	Ballyshannon.
Favourable .. .. .	Unfavourable owing to drought in June and July.	Lettickenny.
Unfavourable owing to oneness of water.	Unfavourable .. .. .	Londonderry.
Favourable .. .. .	Favourable to end of August ..	Coleraine.
Fairly favourable from February to May: unfavourable during remainder of season owing to drought, and flax water pollution in August and September.	February, March, and April fairly favourable May, June, July, and part of August very low water and unfavourable. Flax water pollution rest of season.	Ballycastle.
Favourable from February to April: Remainder of season too dry.	Favourable, except in months of May, June and July.	Dundalk.
Favourable until end of April ..	Favourable .. .. .	Drogheda.

## APPENDIX

## SUBSTANCE of REPORTS received from Clerks of

DISTRICT.	At what period of the year was Grilse first taken.									
	1919.					1918.				
Dublin ...	June	...	...	...	...	None taken	...	...	...	...
Wexford ...	Last week in May	...	...	...	...	Last week in May	...	...	...	...
Waterford ...	Middle of May	...	...	...	...	End of May	...	...	...	...
Lismore ...	May 10	...	...	...	...	May 10.	...	...	...	...
Cork ...	June	...	...	...	...	Early in June	...	...	...	...
Cork (Bandon)	June 1	...	...	...	...	June 1	...	...	...	...
Skibbereen ...	June 24	...	...	...	...	End of June	...	...	...	...
Bantry ...	June	...	...	...	...	June	...	...	...	...
Kenmare	June	...	...	...	...	June	...	...	...	...
Waterville ...	May	...	...	...	...	July	...	...	...	...
Killarney ...	May 19	...	...	...	...	May	...	...	...	...
Limerick ...	End of May	...	...	...	...	End of May	...	...	...	...
Galway ...	May 6	...	...	...	...	May 7	...	...	...	...
Connemara ...	May	...	...	...	...	End of May	...	...	...	...
Ballinakill ...	June 24	...	...	...	...	End of June	...	...	...	...
Bangor ...	April	...	...	...	...	April 28	...	...	...	...
Ballina ...	Middle of May	...	...	...	...	May	...	...	...	...
Sligo ...	June	...	...	...	...	Ballysodare, June 1 ; Sligo, May 1	...	...	...	...
Ballyshannon	June	...	...	...	...	June	...	...	...	...
Letterkenny ...	June	...	...	...	...	June	...	...	...	...
Londonderry...	May 20	...	...	...	...	May 24	...	...	...	...
Coleraine ...	June	...	...	...	...	End of May and beginning of June	...	...	...	...
Ballycastle ...	First week in June	...	...	...	...	June 7	...	...	...	...
Dundalk ...	June	...	...	...	...	June	...	...	...	...
Drogheda ...	June	...	...	...	...	June	...	...	...	...



No 16—continued.

CONSERVATORS relative to SALMON FISHERIES—continued.

During what months was the greatest quantity observed or taken?										DISTRICT.
1919.					1918.					
July ... ..					None taken ... ..					Dublin.
July ... ..					July ... ..					Wexford.
June and July					June ... ..					Waterford.
June and July					June and July					Lismore
June and July					June and July					Cork
June and July					July ... ..					Cork (Bandon).
July ... ..					July ... ..					Skibbereen
June* ... ..					July ... ..					Bantry.
July ... ..					July ... ..					Kenmare
June, July, and August					August					Waterville
June ... ..					June ..					Killarney
June ... ..					June ... ..					Limerick
June ... ..					June ... ..					Galway
June and July					From middle of June to middle of July.					Connemara
First week in July					End of June, and first fortnight in July.					Ballinakill.
July ... ..					July ... ..					Bangor
End of June ... ..					End of June and beginning of July					Ballina
June ... ..					Ballysodare, June and July. Sligo. May and June, as floods suited.					Sligo
July ... ..					July ... ..					Ballyshannon
End of June and July					End of June and July					Letterkenny
July ... ..					July ... ..					Londonderry
July ... ..					July ... ..					Cotralne
June 23 to July 10					June 24 to July 8					Ballycastle
July ... ..					July ... ..					Dundalk
June and July					July ... ..					Drogheda

## SUBSTANCE of REPORTS received from Clerks of

DISTRICT.	During what months were many Salmon taken with Grilse and were these Salmon on an average heavier or lighter than at other periods?	
	1919.	1918.
Dublin ...	June, July and August. Average weight.	No grilse taken ... ..
Wexford ...	June. Heavier ... ..	June. Heavier. ... ..
Waterford ...	June and July. Average weight ...	June and July ... ..
Lismore ...	June and July. Heavier ... ..	June and July. Much heavier ...
Cork ...	June. Heavier ... ..	June and July. Average Weight ...
Cork (Bandon)	June and July. About the same ...	June and July. Heavier ... ..
Skibbereen ...	August. Average weight ... ..	June. Average weight ... ..
Bantry ...	May and June. Heavier ... ..	May and June. Lighter ... ..
Kenmare ...	June and July. Average weight ...	June and July ... ..
Waterville ...	June to October. Heavier ... ..	July and August. Lighter ... ..
Killarney ...	May. Heavier. ... ..	May and June. Generally heavier
Limerick ...	May. Heavier. ... ..	May. Lighter ... ..
Galway ...	— ... ..	June ... ..
Connemara ...	June ... ..	July ... ..
Ballinakill ...	End of June and first week in July. Heavier.	June. Lighter ... ..
Bangor ...	April to June. Lighter ... ..	April, May, and June. Heavier ...
Ballina ...	Beginning of June. Heavier ...	Very few Salmon taken with grilse. Lighter.
Sligo ...	June and July. Heavier ... ..	June and July ... ..
Ballyshannon	End of May and June ... ..	June and July. About the same
Letterkenny ...	Cannot say ... ..	Cannot say ... ..
Londonderry...	June, July, and August. About the same.	June, July, and August. About the same.
Coleraine ...	July. About the same ... ..	July. About the same ... ..
Ballycastle ...	End of June to end of August. Lighter.	End of June to end of August. Slightly heavier.
Dundalk ...	July. Lighter ... ..	July. Lighter ... ..
Drogheda ...	July. Lighter. ... ..	July. Lighter ... ..

No. 16—continued.

CONSERVATORS relative to SALMON FISHERIES—continued.

In what months were the greatest quantities of Salmon (not Grilse) taken ?		DISTRICT.
1919.	1918.	
June and July by nets; February to April, by rods.	June and July, by nets; February to April, by rods.	Dublin.
April and May ... ..	April and May ... ..	Wexford.
May and June ... ..	June ... ..	Waterford
March to June ... ..	March to June ... ..	Lismore.
March to June.	March to June ... ..	Cork.
April and May	April and May ... ..	Cork (Bandon)
June ... ..	End of May and June ... ..	Skibbereen
May and June ... ..	May ... ..	Bantry
May and July ... ..	May and July ... ..	Kenmare
January to July and from September 1st to end of season.	April and May ... ..	Waterville
January to April	January to May ... ..	Killarney
March and April ... ..	March and April ... ..	Limerick.
—	June ... ..	Galway
June and July ... ..	May and June ... ..	Connemara
May ... ..	May ... ..	Ballinakill
April to June ... ..	June and July ... ..	Bangor.
April and May ... ..	May ... ..	Ballina
March and April ... ..	Sligo, January to May; Ballysodare, April to June.	Sligo
June ... ..	June ... ..	Ballyshannon
June ... ..	May and June ... ..	Letterkenny.
June, July, and August ... ..	June, July, and August ... ..	Londonderry
June and July ... ..	May and early in June ... ..	Coleraine.
April and May ... ..	April and May ... ..	Ballycastle.
February to May ... ..	February, March, and April ... ..	Dundalk
April and May. ... ..	April and May, by nets ... ..	Drogheda

## APPENDIX

## SUBSTANCE of REPORTS received from Clerks of

DISTRICT.	Can it be ascertained what proportion the capture of grilse bore to the capture of Salmon?									
	1919.					1918.				
Dublin ...	1 to 6	...	...	...	...	No grilse taken	...	...	...	...
Wexford ...	1 to 4	...	...	...	...		...	...	...	...
Waterford ...	No	...	...	...	...	Equal	...	...	...	...
Lismore ...	No	...	...	...	...	No	...	...	...	...
Cork ...	No	...	...	...	...	No	...	...	...	...
Cork (Bandon)	1 to 4. The best grilse season for 12 or 14 years.					1 to 6	...	...	...	...
Skibbereen ...	3 to 2	...	...	...	...	No; slight increase in grilse over past years.	...	...	...	...
Bantry ...	10 to 1	...	...	...	...	6 to 1	...	...	...	...
Kenmare ...	3 to 2	...	...	...	...	Equal	...	...	...	...
Waterville ...	1 to 2	...	...	...	...	1 to 2	...	...	...	...
Killarney ...	No	...	...	...	...	Equal	...	...	...	...
Limerick ...	No	...	...	...	...	No	...	...	...	...
Galway ...	No	...	...	...	...	No.	...	...	...	...
Connemara ...	About 10 to 1	...	...	...	...	6 to 1	...	...	...	...
Ballinakill ...	5 to 1	...	...	...	...	2 to 1	...	...	...	...
Bangor ...	1 to 2	...	...	...	...	3 to 5	...	...	...	...
Ballina ...	No	...	...	...	...	20 to 1	...	...	...	...
Sligo ...	No	...	...	...	...	3 to 1, Sligo; 5 to 1, Ballysodare	...	...	...	...
Ballyshannon	3 to 2	...	...	...	...	1 to 3	...	...	...	...
Letterkenny ...	No	...	...	...	...	No	...	...	...	...
Londonderry...	No	...	...	...	...	No	...	...	...	...
Coleraine ...	2 to 1	...	...	...	...	Grilse in excess this year	...	...	...	...
Ballycastle ...	5 to 2 in bag nets; 10 to 1 in drift nets.					7 to 4 in bag nets; 10 to 1 in drift nets.	...	...	...	...
Dundalk ...	No	...	...	...	...	No	...	...	...	...
Drogheda ...	No	...	...	...	...	Grilse in excess	...	...	...	...

No. 16—continued.

CONSERVATORS relative to SALMON FISHERIES—continued.

Is there any increase in the average size of Spring Salmon? Give average weight of Salmon and Grilse in the season of this year as far as practicable.		DISTRICT.
1919	1918.	
No; Salmon, 12 lbs.; grilse, 6 lbs....	Salmon, 12 lbs. ... ..	Dublin.
No; Grilse 5 lbs. ... ..	Salmon, 11 lbs.; Grilse, 5 lbs. ...	Wexford.
Salmon, 16 lbs.; Grilse, 4 to 5 lbs.	Salmon, 14 lbs.; Grilse, 5 lbs ...	Waterford.
Salmon, 10 to 30 lbs.; Grilse, 3 to 7 lbs.	Salmon, 7 to 30 lbs.; Grilse, 3 to 7 lbs	Lismore.
Salmon, 9 lbs. ... ..	Salmon, 12 lbs.; Grilse, 3 to 4 lbs.	Cork.
Salmon, 12 lbs.; Grilse, 5 lbs. ...	Salmon, 13 lbs.; Grilse, 5 lbs. ...	Cork (Bandon).
Salmon, 12 lbs.; Grilse, 5 lbs. ...	Salmon, 12 lbs.; Grilse, 6 lbs. ...	Skibbereen.
No ... ..	No ... ..	Bantry
Salmon, 11 lbs.; Grilse, 5 to 6 lbs.	Salmon, 11 lbs.; Grilse, 5 to 6 lbs.	Kenmare
Salmon, 11 lbs.; Grilse, 6 lbs ...	Salmon, 10 lbs.; Grilse, 5 lbs. ...	Waterville
Salmon, 10½ lbs.; Grilse, 5½ lbs.	Salmon, 11 lbs.; Grilse, 4½ lbs. ...	Killarney.
Salmon, 16 lbs.; Grilse, 7½ lbs. ...	Salmon, 17½ lbs.; Peal, 4½ lbs. ...	Limerick.
Cannot ascertain ... ..	Cannot ascertain ... ..	Galway.
Salmon, 11 lbs.; Grilse, 5½ lbs. ...	Salmon, 11 lbs.; Grilse, 5½ lbs. ...	Connemara
Salmon, 11 lbs.; Grilse, 6 lbs. ...	Salmon, 12 lbs.; Grilse, 6 lbs. ...	Ballinakill
Salmon, 9 lbs.; Grilse, 5 lbs. ...	Salmon, 10½ lbs.; Grilse, 5 lbs. ...	Bangor.
Salmon, 10½ lbs.; Grilse, 6 lbs. ...	Salmon, 10 lbs.; Grilse, 6 lbs. ...	Ballina
Salmon, 10 to 12 lbs.; Grilse, 4 lbs	Salmon, 9 to 10 lbs.; Grilse, 3 to 6 lbs.	Sligo.
No. ... ..	Salmon, 14 to 15 lbs.; Grilse, 5 lbs.	Ballyshannon
Salmon, 10 lbs.; Grilse, 4 lbs. ...	Salmon, 12 lbs.; Grilse, 5 to 6 lbs.	Letterkenny
Salmon, 12½ lbs.; Grilse, 7 lbs. ...	Salmon, 7½ to 11½ lbs. ... ..	Londonderry.
Salmon, 10 lbs.; Grilse, 5 lbs. ...	Salmon, 10 lbs.; Grilse, 6 lbs. ...	Coleraine.
Salmon, 10 to 14 lbs.; Grilse, 5 to 6 lbs.	Salmon, 11 to 13 lbs.; Grilse, 5½ lbs	Ballycastle.
Salmon, 14 lbs.; Grilse, 5 lbs. ...	Salmon, 16 lbs.; Grilse, 5 lbs. ...	Dundalk.
No ... ..	Same as last year. ... ..	Drogheda.

## SUBSTANCE of REPORTS received from Clerks of

DISTRICT.	Has any sign of disease been observed among the Salmon during the year ? If so, describe it, and state if it has prevailed to any extent, and where ?									
	1919.					1918.				
Dublin ...	No	...	...	...	...	" Furunculosis " slightly prevalent, but less than the previous year.				
Wexford ...	No	...	...	...	...	No	...	...	...	...
Waterford ...	No	...	...	...	...	No	...	...	...	...
Lismore ...	No	...	...	...	...	No	...	...	...	...
Cork ...	No	...	...	...	...	No	...	...	...	...
Cork (Bandon)	No	...	...	...	...	No	...	...	...	...
Skibbereen ...	No	...	...	...	...	No	...	...	...	...
Bantry ...	No	...	...	...	...	No	...	...	...	...
Kenmare ...	No	...	...	...	...	No	...	...	...	...
Waterville ...	No	...	...	...	...	No	...	...	...	...
Killarney ...	No	...	...	...	...	No	...	...	...	...
Limerick ...	No	...	...	...	...	No	...	...	...	...
Galway ...	No	...	...	...	...	No	...	...	...	...
Connemara ...	No	...	...	...	...	No	...	...	...	...
Ballinakill ...	No	...	...	...	...	No	...	...	...	...
Bangor ...	No	...	...	...	...	No	...	...	...	...
Ballina ...	No	...	...	...	...	No	...	...	...	...
Sligo ...	Yes	...	...	...	...	No	...	...	...	...
Ballyshannon	No	...	...	...	...	No	...	...	...	...
Letterkenny ...	No.	...	...	...	...	No	...	...	...	...
Londonderry...	A few spawning fish were affected with fungus.					No	...	...	...	...
Coleraine ...	No	...	...	...	...	No	...	...	...	...
Ballycastle ...	No	...	...	...	...	No	...	...	...	...
Dundalk ...	No	...	...	...	...	No	...	...	...	...
Drogheda ...	No	...	...	...	...	No	...	...	...	...

No. 16—continued.

CONSERVATORS relative to SALMON FISHERIES.—continued.

Can you give any information about the run of Salmon and Grilse in each month of the close season.		DISTRICT.
1919.	1918.	
A good run of salmon took place in the Liffey at the end of December and January: very few grilse observed.	A good number of salmon ran in January, 1919	Dublin
The largest runs took place from October to December.	Runs took place from October to December ..	Wexford
No .. .. .	No .. .. .	Waterford
A good run of salmon took place in the main river in October and November.	A good run of salmon took place during November in the main river only.	Lismore
Very few fish ran until the end of November owing to low state of water.	Very few fish ran during October and November: larger run took place in December and January.	Cork
A run of salmon and grilse took place in November. No fish ran in October owing to lowness of water.	A run of salmon and a small run of grilse of a small size took place in October and November.	Cork (Bandon)
No .. .. .	No .. .. .	Skibbereen
No .. .. .	No .. .. .	Bantry
No .. .. .	No .. .. .	Kemare
salmon ran each month: no grilse observed.	Salmon ran each month: no grilse observed ..	Waterville
A large run of salmon took place from end of October to first week in November: not many grilse observed.	No: but parent fish seem to be smaller than hitherto.	Killarney
A late run took place during September, October, and November.	There was a run during September, October, and November.	Limerick
—	A certain number of runs took place each month of the year.	Galway
No run from the sea during the close season. Runs of breeding fish from the lower and middle waters to the upper reaches and spawning grounds took place during November and December.	There is practically no run from the sea during the close season, except a few spring salmon. Breeding fish run from the lower and middle waters to the upper reaches and the spawning grounds from October to December.	Connemara
No .. .. .	No .. .. .	Ballinskillick
No .. .. .	The biggest run took place in October and November	Bangor
No .. .. .	No .. .. .	Ballina
No .. .. .	No .. .. .	Sligo
No .. .. .	No .. .. .	Ballyshannon
No .. .. .	No .. .. .	Letterkeney
No .. .. .	No .. .. .	Londonderry
The principal runs took place in October and November.	No. .. .. .	Coleraine
Few fish enter the Bush River from the sea during the close season. In the upper reaches and in the Markey and Glenhesh Rivers the principal runs take place from the end of September to the beginning of November. Fish run late in the Glendun, Glencloy and Cushendall Rivers.	A few full fish enter the Bush River from the sea during the close season. There is always a big run of fish in the upper reaches in October, November, and early in December. Fish run late in the Glendun, Glencloy, and Cushendall Rivers.	Ballycastle
A large run of salmon took place early in December.	Unusually large run of salmon was observed in Fane River towards the end of October and November.	Dundalk
No .. .. .	No .. .. .	Doagheda

## SUBSTANCE of REPORTS received from Clerks of

District.	Have there been any cases of poisoning the rivers in the District? If so, give particulars of the different cases, and if by Lime, Spurge, or Flax Water.	
	1919.	1918.
Dublin .. ..	No .. .. .	One case of pollution by effluent from factory
Wexford .. ..	No .. .. .	No .. .. .
Waterford .. ..	No .. .. .	No .. .. .
Lismore .. ..	No .. .. .	No .. .. .
Cork .. .. .	Cases of destruction of fish by spurge and dynamite took place.	Two cases of poisoning by spurge: several cases of use of dynamite .. .. .
Cork (Bandon) ..	Six cases of poisoning by spurge. .. ..	One case by spurge on Bandon River .. ..
Skibbereen .. ..	One case of poisoning by spurge .. .. .	No .. .. .
Bantry .. .. .	Cases of destruction of fish by spurge and by explosives are recorded.	One case of poisoning by spurge: explosives used in all the rivers.
Keamare .. ..	Four cases of poisoning by spurge in River Boughly, two cases in Sineavy River, and one case in River Sheen.	Six cases of poisoning in River Boughly, one case in Owenahugh River, and two cases in Sheen River.
Waterville .. ..	No .. .. .	No .. .. .
Killarney .. ..	One case of poisoning by lime, and one of the use of explosives in the River Muine: one case of poisoning by lime in River Brown Flesk.	Three cases of poisoning by lime .. ..
Limerick .. ..	Two cases of attempted poisoning in River Feale: No fish destroyed.	Three cases of poisoning in River Feale .. ..
Galway .. .. .	No .. .. .	No .. .. .
Connemara .. ..	No .. .. .	No .. .. .
Ballinskillick ..	No .. .. .	No .. .. .
Bangor .. .. .	No .. .. .	No .. .. .
Bahna .. .. .	Cases of flax water pollution are recorded. ..	A great number of cases of poisoning by flax water being allowed to escape.
Sligo .. .. .	Cases of fish destroyed are recorded from use of lime, dynamite, and flax water pollution.	Cases recorded of fish destroyed by dynamite and flax water. .. .. .
Ballyshannon ..	No .. .. .	No .. .. .
Letterkenny .. ..	One case of flax water pollution .. .. .	One case of poisoning by flax water .. ..
Londonderry ..	Unlimited destruction of fry and their food by flax water	Unlimited destruction of fry and their food by flax water. Some cases of poisoning by lime
Coleman .. .. .	About forty cases of flax water pollution, three cases of poisoning by lime, and one case of the use of explosives.	About sixty cases of poisoning by flax water, and several cases of poisoning by lime.
Ballycastle .. ..	No specific cases of poisoning observed or reported, but salmon fry were destroyed in the River Bush, tributaries, and other rivers.	One case of poisoning in the River Bush and some tributaries: about 110 or 200 fish were killed.
Dundalk .. .. .	Eight cases of poisoning rivers by flax water ..	Fifty-six cases of poisoning rivers by flax water
Drogheda .. ..	No .. .. .	No .. .. .



No. 16—continued.

CONSERVATORS relative to SALMON FISHERIES—continued.

Have offences against the Fishery Laws increased or diminished? What proportion (approximately) may be attributed to those who took out Licences and those who did not?		DISTRICT.
1919.	1918.	
Diminished. Offences chiefly by un-licensed persons.	Slightly increased. No offence by licensed persons.	Dublin.
Diminished ... ..	Diminished ... ..	Wexford
Diminished ... ..	—	Waterford.
Diminished. Offences chiefly by unlicensed persons.	Diminished. Four offences by licensed persons; six by un-licensed persons.	Lismore.
Increased. Two offences by licensed persons.	Offences by licensed persons about half.	Cork.
Increased. Offences by unlicensed persons.	Diminished ... ..	Cork (Bandon).
Diminished. No offence by licensed persons.	Diminished ... ..	Skibbereen
Increased. Offences by unlicensed persons.	Increased. Offences by unlicensed persons.	Bantry.
About the same. No offence by licensed persons.	No offences committed by licensed persons.	Kenmare.
Normal; one offence committed by unlicensed person.	Diminished ... ..	Waterville.
About the same; proportion of offences committed by non-licensed persons to licensed persons was 10 to 1.	Diminished. Scarcely one per cent. fished without a license.	Killarney
—	—	Limerick.
Increased; no offences by licensed persons.	Increased. No offences by licensed persons.	Galway.
Diminished ... ..	Slight increase ... ..	Connemara.
Slight increase ... ..	—	Ballinakill.
Diminished ... ..	A slight increase ... ..	Bangor.
Increased ... ..	Flax water pollution increased ...	Ballina.
Increased considerably ... ..	Increased generally ... ..	Sligo.
Diminished ... ..	Diminished ... ..	Ballyshannon
Diminished ... ..	Diminished ... ..	Letterkenny.
Flax water offences increased; other offences diminished.	Flaxwater offences increased ...	Londonderry.
About the same. Very few offences by licensed persons.	About the same ... ..	Coleraine.
Diminished. No offences by licensed persons.	No increase, except flax water pollution. No offences by licensed persons.	Ballycastle.
Diminished. No offence by licensed persons.	Increased. No offences by licensed persons.	Dundalk.
Diminished ... ..	Diminished ... ..	Drogheda.

## APPENDIX

## SUBSTANCE of REPORTS received from Clerks of

DISTRICT.	Has the quantity of Breeding Fish observed in the rivers in your District during this winter been greater or less as compared with last winter?									
	1919.					1918.				
Dublin ...	About the same	...	...	...	...	About the same	...	...	...	...
Wexford ...	About the same	...	...	...	...	Less	...	...	...	...
Waterford ...	Greater	...	...	...	...	Less	...	...	...	...
Lismore ...	Much greater	...	...	...	...	Average maintained	...	...	...	...
Cork ...	About the average	...	...	...	...	Less	...	...	...	...
Cork (Bandon)	About the same	...	...	...	...	Greater	...	...	...	...
Skibbereen ...	No change observed	...	...	...	...	Greater in River Ilan; other rivers about the same.	...	...	...	...
Bantry ...	Less	...	...	...	...	Less	...	...	...	...
Kenmare ...	About the same	...	...	...	...	Greater	...	...	...	...
Waterville ...	Greater	...	...	...	...	Greater	...	...	...	...
Killarney ...	Greater	...	...	...	...	About the same	...	...	...	...
Limerick ...	Much greater	...	...	...	...	About the same	...	...	...	...
Galway ...	Less	...	...	...	...	Very much less	...	...	...	...
Connemara ...	Greater than for several years; especially salmon	...	...	...	...	Greater	...	...	...	...
Ballinakill ...	Less, except in River Delphi	...	...	...	...	Less in some rivers; greater in others	...	...	...	...
Bangor ...	Greater	...	...	...	...	Greater	...	...	...	...
Ballina ...	Greater	...	...	...	...	Less	...	...	...	...
Sligo ...	Greater	...	...	...	...	Very much greater	...	...	...	...
Ballyshannon	Less	...	...	...	...	About the same	...	...	...	...
Letterkenny ...	Unusual quantity of spawning fish on Lackagh River; about the same elsewhere	...	...	...	...	About the same	...	...	...	...
Londonderry...	Greater	...	...	...	...	Greater	...	...	...	...
Coleraine ...	Much greater	...	...	...	...	Greater	...	...	...	...
Ballycastle ...	Average hardly maintained	...	...	...	...	Less	...	...	...	...
Dundalk ...	Slightly greater	...	...	...	...	Greater in River Fane; about the same in other rivers.	...	...	...	...
Drogheda ...	About the same	...	...	...	...	About the same	...	...	...	...

No. 16—continued.

CONSERVATORS relative to SALMON FISHERIES.—continued.

In what Rivers has the quantity of Breeding Fish increased ?				DISTRICT.			
1919.				1918.			
None	...	...	...	None	...	...	Dublin.
In River Slaney from Newtownbarry to Baltinglass.	...	...	...	None	...	...	Wexford.
In Rivers Suir, Nore, and Barrow...	...	...	...	None	...	...	Waterford.
In the main river	...	...	...	None	...	...	Lismore.
In none	...	...	...	None	...	...	Cork.
In none	...	...	...	In Rivers Bandon and Argideen	...	...	Cork (Bandon).
In none	...	...	...	In Ilan River	...	...	Skibbereen.
In none	...	...	...	None	...	...	Bantry.
No. In none	...	...	...	In Rivers Blackwater, Sheen, Roughty, Derreen, and Saccem.	...	...	Kenmare.
In all rivers	...	...	...	In all rivers	...	...	Waterville.
In all rivers except mountain tributaries.	...	...	...	None	...	...	Killarney.
In all rivers	...	...	...	Marked increase in Mulcaire, Upper Peale, Sack, Boyle, and Nenagh Rivers.	...	...	Limerick.
In none	...	...	...	None	...	...	Galway.
In all rivers	...	...	...	In upper waters of River Castla or Costello.	...	...	Connemara.
In River Delphi	...	...	...	In Rivers Erriff and Culin	...	...	Ballinskil.
In Rivers Owenmore, Glencullen, Glenturk, Ballinaboy and Owengarve.	...	...	...	In all rivers, except Glenturk and Glencullen.	...	...	Bangor.
In Rivers Moy and Rathfrank	...	...	...	In Rathfrank River	...	...	Ballina.
In all rivers	...	...	...	In Rivers Glencar, Bonet, and Ballysodare.	...	...	Sligo.
In none	...	...	...	Cannot say	...	...	Ballyshannon.
In Lackagh River	...	...	...	In Claudy and Swilly Rivers	...	...	Letterkenny.
In all rivers	...	...	...	In all rivers	...	...	Londonderry.
In all rivers	...	...	...	In all rivers	...	...	Coleraine.
In none	...	...	...	None	...	...	Ballycastle.
In all rivers	...	...	...	In River Fane	...	...	Dundalk.
In all rivers	...	...	...	In all rivers	...	...	Drogheda.

## SUBSTANCE of REPORTS received from Clerks of

DISTRICT.	In what Rivers has the quantity of Breeding Fish decreased ?	
	1919.	1918.
Dublin ...	In none ... ..	In none ... ..
Wexford ...	In River Slaney above Baltinglass ...	In River Slaney and its tributaries ...
Waterford ...	In none ... ..	In Rivers Suir, Nore, and Barrow ...
Lismore ...	In all the tributaries ... ..	In all the tributaries... ..
Cork ... ..	In none ... ..	In River Lee and tributaries ...
Cork (Bandon)	No change observed ... ..	—
Skibbereen ...	In none ... ..	In none ... ..
Bantry ...	In all rivers ... ..	In all ... ..
Kenmare ...	In none — ... ..	In none ... ..
Waterville ...	In none ... ..	—
Killarney ...	In none, except in the mountain tributaries ... ..	In none ... ..
Limerick ...	In none ... ..	In River Fergus ... ..
Galway ...	In all rivers ... ..	Salmon in all, with the exception of Rivers Spiddal, Crumlin, and Kilcolgan.
Connemara ...	In none ... ..	—
Ballinakill ...	In River Erriff and tributaries ...	In River Bundorragha ... ..
Bangor ...	—	In Rivers Glenturk and Glencullen ...
Ballina ...	In none ... ..	In River Moy and tributaries ...
Sligo ... ..	In none ... ..	In none ... ..
Ballyshannon	In all rivers generally ... ..	—
Letterkenny ...	—	On Lennan River ... ..
Londonderry...	In none ... ..	—
Coleraine ...	In none ... ..	In none ... ..
Ballycastle ...	—	In Rivers Bush, Ballycastle, and Glendun.
Dundalk ...	In none ... ..	In none ... ..
Drogheda ...	In none ... ..	In none ... ..

No. 16—continued.

## CONSERVATORS relative to SALMON FISHERIES—continued.

Was the state of the Rivers favourable or unfavourable to spawning, and to the protection of spawning and spent fish and young fry?				DISTRICT.			
1919.				1918.			
Favourable in all rivers	...	...	...	Favourable in all rivers in the District	...	...	Dublin.
Unfavourable	...	...	...	Favourable in River Stanley and its tributaries.	...	...	Wexford.
Water very low in all tributaries, but favourable in main rivers.	...	...	...	Favourable	...	...	Waterford.
Most favourable to spawning and favourable to spent fish and young fry in all rivers.	...	...	...	Favourable	...	...	Lismore.
Unfavourable early in season owing to low state of water, favourable later.	...	...	...	—	...	...	Cork.
Favourable, except in January, during heavy floods.	...	...	...	Favourable	...	...	Cork (Bandon).
Favourable in all rivers	...	...	...	Favourable	...	...	Skibbereen.
Favourable in all rivers	...	...	...	Favourable in all rivers	...	...	Bantry.
Favourable in all rivers	...	...	...	Favourable in all rivers	...	...	Kenmare.
Favourable	...	...	...	Very favourable	...	...	Waterville.
Favourable; unfavourable to protection of early run of fish owing to lowness of rivers, favourable later.	...	...	...	Unfavourable to spawning owing to heavy floods; favourable to protection.	...	...	Killarney.
Very favourable.	...	...	...	Very favourable	...	...	Limerick.
Favourable	...	...	...	Favourable in all rivers	...	...	Galway
Favourable	...	...	...	Favourable	...	...	Connemara.
Unfavourable except in River Delphi	...	...	...	Unfavourable owing to high floods...	...	...	Ballinakill.
Favourable	...	...	...	Favourable	...	...	Bangor.
Favourable	...	...	...	Favourable in all rivers	...	...	Ballina.
Unfavourable owing to heavy floods.	...	...	...	Favourable	...	...	Sligo.
Favourable	...	...	...	Favourable throughout the District.	...	...	Ballyshannon.
Favourable	...	...	...	Favourable	...	...	Letterkenny.
Favourable	...	...	...	Favourable in all rivers	...	...	Londonderry.
Favourable	...	...	...	Favourable	...	...	Coleraine.
Favourable on the whole	...	...	...	Favourable	...	...	Ballycastle.
Favourable	...	...	...	Favourable	...	...	Dundalk.
Unfavourable previous to December; favourable afterwards.	...	...	...	Favourable	...	...	Drogheda.

## APPENDIX No. 16—continued.

SUBSTANCE of REPORTS received from Clerks of CONSERVATORS relative to SALMON FISHERIES—continued.

DISTRICT.	Any particular observations regarding Breeding Fish ?	
	1919.	1918.
Dublin ...	—	—
Wexford ...	—	The bailiffs report that fewer fish have been observed on the spawning beds this winter. It is difficult to account for the scarcity as the water after October was high and favourable for the run of spawning fish.
Waterford ...	—	—
Lismore ...	—	—
Cork ...	—	Spawning fish were late in running this season.
Cork (Bandon)	—	—
Skibbereen ...	—	—
Bantry ...	—	—
Kenmare ...	Owing to the exceptionally dry season salmon were unable to get up the rivers and were caught in nets in lower waters.	—
Waterville ...	—	—
Killarney ...	—	—
Limerick ...	—	—
Galway ...	—	The worst show of salmon that has been ever seen in the Oughterard, Maam, and Cong Districts. The grilse could not come up at Galway owing to lowness of water, and there was none to be seen when the water rose at the back end of the season.
Connemara ...	—	—
Ballinakill ...	—	—
Bangor ...	—	—
Ballina ...	—	Water was high throughout the season, and there were few and isolated cases of poaching for that reason.
Sligo ...	—	—
Ballyshannon	—	—
Letterkenny ...	—	—
Londonderry...	—	Rivers were high during the entire spawning period. This assisted protection, but prevented the capture of the usual number of breeding salmon for Hatchery purposes.
Coleraine ...	Spawning fish were much larger. Of the fish taken for hatchery purposes there was an average of three females to one male.	—
Ballycastle ...	—	Nearly impossible to preserve salmon smolts and fry from destruction by flax water owing to streams and rivers being low.
Dundalk ...	—	—
Drogheda ...	—	—

## APPENDIX NO. 17.

Output of Salmon and Trout Fry in Ireland during the season 1919-20.

	Hatching or Enlarging Station.	River System.	Salmon.	Trout.
1.	Zoological Gardens Dublin. ... ..	Liffey ... ..	5,000a	—
2.	Newtownbarry ... ..	Slaney ... ..	1,000b	—
3.	Banteer and Mallow, ... ..	Cork and Blackwater	1,842,000c	—
4.	Skibbereen ... ..	Ilken ... ..	32,165d	—
5.	Waterville ... ..	Curraane ... ..	60,000e	—
6.	Caragh Lake ... ..	Caragh ... ..	—	25,000
7.	Clifden ... ..	Owenglin & Derry- vraun.	5,000f	30,000
8.	Aasleagh ... ..	Erriff ... ..	100,000	—
9.	Owengarve ... ..	Owengarve ... ..	500	—
10.	Belleek ... ..	Rine ... ..	234,000	—
11.	Glenties ... ..	Owenea ... ..	232,000	—
12.	Newtownstewart ... ..	Foyie ... ..	1,128,000	—
13.	Kilrea ... ..	Bann and Moyrea	527,000	20,000
14.	Bushmills ... ..	Bush ... ..	754,250g	—
15.	Blackcastle ... ..	Boyne ... ..	—	1,000
		Totals ... ..	4,920,915	76,000

a. From Mallow.

b. Balance of 20,000 from Mallow, remainder of which died owing to delay in transit.

c. Exclusive of 134,000 sent to other hatcheries.

d. Inclusive of 34,000 from Mallow.

e. From Mallow.

f. From Mallow.

g. Excludes 10,000 from Mallow

## APPENDIX No. 18.

ABSTRACT of BY-LAWS, ORDERS, &c., which have come into force since the date of the Report for the year 1918.

## SALMON AND TROUT, &amp;c.

## WATERVILLE DISTRICT.

Kells Bay to Bolus Head—Close Season—Angling.—Dated 1st September, 1919.

Fixing the Close Time during which it shall not be lawful to kill, destroy or take Salmon and Trout by means of Single Rod and Line in or from the Rivers and their Lakes and Tributaries flowing into the Sea between the most westerly point of Kells Bay and Bolus Head, from the 15th day of October to the 31st day of March in the year following, both said days inclusive.

## KILLARNEY AND WATERVILLE DISTRICTS.

Fresh Waters.—Dated 30th August, 1919.

Prohibiting to use any Long Line, Night Line or Spiller for the capture of fish, or with the intent to take fish in the upper or fresh-water portions of all rivers, lakes and their tributaries in the No. 7<sup>th</sup> or Killarney District and the No. 7<sup>th</sup> or Waterville District.

## LIMERICK DISTRICT.

River Feale.—Dated 18th November, 1919.

Prohibiting to capture, or attempt to capture, fish in that part of the River Feale which is situated within a distance of fifty yards downstream from the crest of the Mill Dam across the said River in the Townlands of Curraghatoosane and Islandmacloaghry, near the Town of Listowel.

River Fergus—Close Season—Angling.—Dated 1st September, 1919.

Fixing the Close Time during which it shall not be lawful to kill, destroy or take Salmon and Trout by means of Single Rod and Line in or from the River Fergus and its Lakes and Tributaries from the 1st day of October to the 31st day of January in the year following, both said days inclusive.

## APPENDIX No. 19.

TRANSFERS OF FIXED NET CERTIFICATES, which have been made since date of last Report.

## BALLYCASLE DISTRICT.

Certificate No. 116 for one Fixed Draft Net to be used in the Sea off the County of Antrim, was, on the 21st September, 1920, transferred to Maurie Finlay of Cushendun, County Antrim; Gordon Eadie of Stranraer, County of Wigton, and John McNeill, of Riverside, Cushendun, County Antrim.

## COLERAINE DISTRICT.

Certificate No. 77 for two Fixed Draft Nets to be used in the sea off the County of Londonderry, was on the 14th October, 1920, transferred to James Shaw of Portstewart, County Londonderry.

## BANGOR DISTRICT.

Certificate No. 110, for two Bag Nets, to be used in the sea, off the County of Mayo, was, on the 20th October, 1920, transferred to Edmund Arthur Gore, Pery Knox Gore, of Coolcroon, County Mayo.



GOVERNMENT PUBLICATIONS.—*continued.*

FISHERY BRANCH.

SCIENTIFIC INVESTIGATIONS, 1914 :—

I. Decapoda Reptantia of the Coasts of Ireland. (1914.) Price 1s. 6d.

II. Outbreak of Furunculosis in the River Liffey in 1913. Report (*With Plates.*) (1915.) Price 4d.

III. Results of a Biological Survey of Blacksod Bay, Co. Mayo (1915.) Price 9d.

IV. Sponges of the Coast of Ireland. (1915.) Price 9d.

SCIENTIFIC INVESTIGATIONS, 1920 :—

I. Notes on the Breeding Habits and Life History of the Periwinkle. (*With Plates.*) (1920.) Price 3d. (4d.)

II. Sponges of the Coasts of Ireland. (*With Plates*) (1921.) Price 3s. (3s. 2d.)

FISHERY BOARD FOR SCOTLAND.

38TH ANNUAL REPORT, FOR 1919.

Part I.—General Statement ; Means of Capture ; Total Landings ; Herring Fishery ; Catch ; Disposal of Catch ; Cure and Export ; Scottish Participation in English and Irish Fishings ; White Fish Fishery.—Catch ; Cure ; Persons engaged in Scottish Fishing Industry ; Whaling ; Admiralty Vessels for Ex-Service Fishermen ; Eel Fishery Development ; Civil Liabilities ; Grants ; Branding Regulations. (*With Chart.*) Part II.—Salmon Fisheries. (*With Chart.*) Part III.—Scientific Investigations. Appendices :—Harbour Improvement Scheme ; Reports by Inspectors and Fishery Officers ; Report by Inspector of Salmon Fisheries ; Index to Part II. of Report for years 1908-19 ; Salmon Fishery Close Times ; Chairman and Clerks to Salmon District Boards. Statistical Tables.

[Cmd. 833] of Session 1920. Price 1s. 8d. (2s.)

## FISHERIES IN THE GREAT WAR.

REPORT FOR 1915, 1916, 1917 and 1918.

## PARTS I AND II.

INTRODUCTION. Appendix to Introduction.—Letters to Fishermen ; The Declaration of War and its Immediate Effects on Fishing Operations ; Regulation and Control of Fishing Operations ; The Employment of Fishing Vessels on Naval Service ; Man-Power Problems of the War ; Fishermen's Flights ; Installation of Moto Engines in Fishing Boats, and the Formation of the Motor Loan Committee ; The Fish, Food and Motor Loan Committee ; Cured Fish ; Transport of Fish ; Question of Fish-Smoking ; Receptacles for Fish ; Materials for Curers ; Tinplates ; Shell-fish ; Trading in Fish ; Freshwater Fisheries ; Statement of Accounts ; Insurance of Fishing Vessels ; Review of the Four Years Fishing 1915, 1916, 1917 and 1918 ; Produce of the Fisheries ; Distribution of Demersal Fish ; Pelagic Fish ; Shell-fish Fisheries ; The Cleansing of Polluted Shell-fish ; Production of Shell-grit from the Slipper Limpet ; Development of the Helford River Oyster Fisheries ; Fish as Food in War Time ; Supplies for Home Markets ; Supplies for Allies ; Restriction of Enemies Supplies of Fish ; Foreign Trade ; Imports ; Exports ; Proceedings under Acts relating to Sea Fisheries ; and Miscellaneous Matters of Interest ; Orders under the Defence of the Realm Act in connection with Sea Fisheries ; Branding of Herrings ; The Cran Measures Act, 1908 ; Fishery Harbours ; Destruction of the Village of Hallsands ; Scientific Investigations ; Fish Condemned at Billingsgate ; Prosecutions by the Fishmongers' Company ; Compulsory Pilotage in the Humber ; East Anglian Winter Sprat Fishery ; Canning Investigations ; Fish Freezing ; Methods of Cooking Salted Fish ; Loss of Australian Research Vessel ; Exports of Marine Produce from Japan ; Appendix A.—Summary of Oyster and Mussel Returns ; Appendix B.—List of Sea Fisheries Districts ; Appendix C.—Statement of Accounts of the Local Fisheries Committees. (*With Chart.*)

[Cmd. 585] of Session 1920. Price 2s. (2s. 3½d.)